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1952/53

UNIVERSITY OF ILLINOIS BULLETIN

catalog of
Audio-Visual Aids

1952
1953

DIVISION OF UNIVERSITY EXTENSION

UNIVERSITY OF ILLINOIS BULLETIN

Volume 49

August, 1951

Number 5

Published seven times each month by the University of Illinois. Entered as second-class matter December 11, 1912, at the post office at Urbana, Illinois, under the Act of August 24, 1912. Office of Publication, 358 Administration Building, Urbana, Illinois.

CATALOG OF

Audio-Visual Aids

DEAR PATRON:

This is your copy of the 1952-53 AUDIO-VISUAL AIDS CATALOG. Additional copies are available to you at a cost of 50 cents each.

VISUAL AIDS SERVICE
DIVISION OF UNIVERSITY EXTENSION
UNIVERSITY OF ILLINOIS

VISUAL AIDS SERVICE
DIVISION OF UNIVERSITY EXTENSION
UNIVERSITY OF ILLINOIS

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Division of University Extension

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UNIVERSITY OF ILLINOIS BULLETIN

VISUAL AIDS SERVICE
DIVISION OF UNIVERSITY EXTENSION
UNIVERSITY OF ILLINOIS
CHAMPAIGN, ILLINOIS

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CATALOG OF

Audio-Visual Aids

for loan to

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Division of University Extension

1952

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UNIVERSITY OF ILLINOIS BULLETIN

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NOTE: THE VISUAL AIDS SERVICE IS OPEN WEEKDAYS FROM 8 A.M. TO 5 P.M.

IZa 7I
1952/53

M. SMITH

OCT 8 1951

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The role of audio-visual education looms increasingly large in the cultural future of our country. The effectiveness of teaching films has already been demonstrated beyond dispute by the Army and Navy which trained tens of thousands of men by visual means. It has been proved by the use of teaching motion pictures in schools throughout the nation during the past twenty years. But visual education will, I am certain, exercise an even greater and more decisive influence in American education as it is brought to bear upon the problems of enlightening adults as well as children. The educational film is a powerful implement in the cause of democracy.

GEORGE D. STODDARD

VISUAL AIDS SERVICE

GENERAL INFORMATION

Who May Receive Film Service?

Any school — public, private or parochial — is eligible to receive films on loan from the University. Any organization, church, club, union or business is eligible to receive films on loan from the University. Responsible individuals may also borrow films from the University under the same restrictions that apply to organizations, such as churches, businesses, unions and clubs.

The films marked "TFC Restricted to Classroom Use" are leased by the University and under the terms of the lease the films may be loaned only where they will be used as a part of regular classroom instruction. The cuttings from film classics based on literary classics (David Copperfield, Huckleberry Finn, etc.) can be loaned only for classroom use.

What Does Film Service Cost?

Accompanying the description of each film is a statement as to the rental or handling charge of that film for a period of use from one to three days. Schools, organizations and individuals are eligible to receive a ten per cent discount when the total cost of films used within a school year, July 1 to June 30, exceeds \$100.

If films are desired for more than three days' use, the scale of charges for each school day beyond the three days of scheduled use is as follows:

Rental Charge	Charge Per Day
\$3.00 and under.....	\$.25
\$3.01 to \$6.00.....	.50
Over \$6.00.....	1.00

In addition the Visual Aids Service offers to each film user the opportunity to purchase for three dollars, fifty dollars worth of film damage insurance. The three dollar fee is good for one school year (July 1 to June 30) or any portion of the year covered. The film damage insurance covers only film damage due to operator carelessness or mechanical failure of the projector.

Who Pays Transportation Costs on Film Shipments?

The Visual Aids Service pays the transportation costs one way, and the user is expected to pay the transportation cost one way.

Users of films outside the state of Illinois are required to pay 50 cents additional transportation and handling costs on each film shipment from the Visual Aids Service.

Should Films Be Returned by Parcel Post or Express?

Parcel post charges for transporting films are much less than express charges. However, there is often some local reason which leads a patron to request that all shipments to and from the patron be made by express. The Visual Aids Service will bear only parcel post charges one way. All express charges are at the expense of the borrower.

Should Film Shipments Be Insured?

The value of a 400 foot reel of 16mm black and white motion picture film will average fifty dollars; if the same film is in color, the average will be one hundred dollars. Thus, it is apparent that motion picture films are expensive. However, only infrequently are films lost in transit and full coverage of all films by insurance while being shipped, under present circumstances, is not wholly necessary.

For example, the Visual Aids Service ships literally thousands of film subjects each week and none of these shipments is insured. It is more economical for a large film library, such as the Visual Aids Service, to carry its own shipping insurance.

However, these same circumstances do not exist in the case of an individual patron, such as a church or school system. Some patrons protect themselves by sending films back by insured parcel post. Instead of insuring the films for their full value, the films are insured for only five or ten dollars minimum. A shipment insured for only five or ten dollars receives the same care during transit

as if it were insured for the full value of the motion pictures contained in the shipment. Other schools purchase insurance tickets from one of several private insurance companies, and all film shipments carrying such tickets are insured. Films shipped by express are insured up to fifty dollars without extra fee.

What Is Film Damage Insurance?

Beginning in September 1944, the Visual Aids Service inaugurated a film insurance plan to protect its users against charges for accidental damage done to films due to mechanical failure of a projector or carelessness or ignorance on the part of an operator. For a fee of three dollars any Illinois patron, such as a school, organization, church or club, may receive fifty dollars of protection against film damage for one school year, July 1 to June 30, or a fraction of the school year. This fee covers patrons on just those films received from the Visual Aids Service.

All schools and other regular users are automatically charged the three dollar film damage insurance fee. In the event a school or organization does not wish film damage insurance protection, information to that effect should be sent along with the request for film service.

The film damage insurance plan applies only to films received from the Visual Aids Service. This plan does not cover loss of, or damage to, films while in transit.

What Kind and Size of Film Is Distributed?

All films are of the 16mm dimension. Most film subjects are on 16mm sound film. However, there are some several hundred 16mm silent films available.

All films loaned by the Visual Aids Service are on cellulose acetate base which means the films are noninflammable.

Both color and black and white films may be had on loan.

Sound films cannot be used on a silent projector.

How to Find Films You Want

A Classified Index of film titles is found in the last section of this catalog. Look up in this index the general subject heading in which you are in-

terested. Under the general subject heading will be listed the film titles pertaining to that topic. For example, if you are interested in films in the area of drama, you would turn to the section in the Classified Index titled DRAMA (see page 290). Under that title will be listed both the sound and silent films concerned with drama. Suppose the sound film, "Master Will Shakespeare," is one you want to know more about. Then turn to the section of Sound Films where all the sound films are arranged in alphabetical order by title, and "Master Will Shakespeare" will be found on page 127. You will find each film has been described in a short synopsis. In addition to the synopsis, information is also given as to the mounting (reel size), running time, age-grade placement and rental price of the film.

Briefly then, to use the catalog easily, first look up the titles of films available under the general topic heading in the Classified Index. After getting the titles you want, check each title for content, running time and rental by looking the title up in either the Description of Sound Films or the Description of Silent Films. In the Classified Index all sound films are denoted by the capital letter (S) and silent films by (X).

Reels on which 16mm films are mounted come in four capacity sizes: 400 feet, 800 feet, 1200 feet and 1600 feet. Reel size gives only partial indication of the time a film will take to run, so this catalog carries at the bottom of each film description a statement as to the time that film subject will consume in projection time. Also, as a part of the description of each film, there is a general indication as to its age-grade level. This plan involves the use of the capital letters P, I, J, H, C, and A. P indicates primary; I, intermediate; J, junior high school; H, high school; C, college; and A, adult. Code letters beside the titles indicate producers or distributors. An explanation of the symbols can be found in the back of the catalog. (See page 267.)

How May Films Be Ordered?

Films may be ordered by mail, phone, telegraph or in person. Order blanks for convenience in ordering films have been included in the back of this catalog. Additional blanks may be had on request.

Here are some suggestions which, if observed, will enable the Visual Aids Service to handle your order expeditiously.

1. Order films and transcriptions by the titles as they appear in this catalog. In the case of films indicate whether you want sound or silent, color or black-and-white films as sometimes the same title may be had in both versions.

2. If you have alternate dates on which you can use the film or films, be sure to indicate them.

3. Indicate clearly how long you want to use the film or films. Rental charges for extra days' use are found on page 5.

4. Order films under one name where possible. For example, several teachers in the same building or in several buildings of the same system might order all their films under the principal's or the superintendent's name or the name of the director of teaching materials. The consolidation of several orders into one also makes for economy.

In general, films should be ordered as far in advance of the precise date of use as is possible. However, since we have a number of copies of many subjects, short notice requests are acknowledged promptly.

What About Film Guides?

No guides are shipped with films. Where guides are available, the Visual Aids Service recommends that each school purchase the film guides wanted by the teachers direct from the film producer. The Visual Aids Service will gladly supply information to anyone as to availability of guides, names and addresses of producers and estimated costs of guides.

General Regulations

1. Films and radio transcriptions are scheduled for one day's use only, unless a request is made for the use of the materials for a longer period of time. Please note that materials may be ordered for three days without extra charge. When permission is granted to hold films or radio transcriptions longer than three days a fee for extra days' usage is charged in accordance with the scale appearing in this catalog.

2. All materials should be returned immediately after scheduled showing. Materials kept longer

than the allotted time cause the Service embarrassment and the next patron inconvenience. *Films or radio transcriptions kept overtime are charged for at the regular single rental rates.* Unless otherwise agreed, all shipments must be returned by parcel post or prepaid express. Patrons are requested to give particular attention to the return of materials that may be in their possession on or immediately before holidays.

3. Patrons are urged to be considerate of cancellations. Anticipation of scheduled holidays and careful planning of classroom work will help us to avoid withdrawing films from circulation for showing dates which will not be utilized by the patron booking the film. *Cancellation cannot be made after the shipment has left the Visual Aids Service. All films which are reserved by telephone and are not called for on the date specified will be charged as usual unless prior arrangement is made for cancellation.*

4. Return shipping labels are sent with all shipments. Patrons are required to use these labels in returning materials to the Visual Aids Service.

5. The patron is responsible for the films and recordings from the time such materials arrive until their return to the Visual Aids Service. The Service inspects all films by hand immediately after their return and maintains a record of the condition of the film as received and forwarded to the next patron. Should any instance occur, however, where material is damaged when received by the patron a report should be made immediately to the Visual Aids Service. *Lost films will be charged to the patron at the rate of actual cost of replacement.*

What Is the Visual Aids Service?

The Visual Aids Service is the name of the activity applied to the organization and collection of motion picture films and transcriptions made available for loan by the University of Illinois. The Visual Aids Service is one of the Bureaus within the Division of University Extension.

In addition to being a depository of 16mm motion picture films, the Visual Aids Service is also a convenient source of information about the utilization and acquisition of the newer teaching devices.

DESCRIPTION OF SOUND FILMS

FOR FEES, RULES,
AND SUGGESTIONS,
SEE PAGES 5-7

Film Series

For descriptions see alphabetical listing of films

CHILD DEVELOPMENT (McGH)

Child Care and Development
Children's Emotions
Heredity and Pre-Natal Development
Principles of Development
Social Development

EARTH AND ITS PEOPLES (UW)

Adobe Village (Valley of Mexico)
Canada's New Farmlands (Peace River District, Alberta)
Cattle and the Cornbelt (USA — The Midwest)
Changing Cotton Land (USA — The Southeast)
Cross Section of Central America (Guatemala)
Desert Nomads (French Morocco)
Eskimo Hunters (Northwestern Alaska)
Factories, Mines and Waterways (Industrial Western Europe)
Farmer-Fishermen (Norway)
Farmers of India (Middle Ganges Valley)
Farms and Towns of Slovakia (Danube River Country)
Food For Paris Markets (Northern Rural France)
Highlands of the Andes (Peru)
Home of the French-Canadians (St. Lawrence Lowland)
Home Life in Szechwan Province
Horsemen of the Pampa (Argentina)
Industrial Lakeport (USA — Buffalo, N.Y.)
Island Nation (Japan)
Land Behind the Dikes (Holland)
Living in a Metropolis (Metropolitan New York)
Lumber States (Pacific Northwest)
Maine Harbor Town (Camden, Maine)
Middle East (Israel)
Mountain Farmers (Switzerland)
Nomads of the Jungle (Malaya)
On Mediterranean Shores (Greece)
Oriental City (Canton, China)
Po River Valley (Italy)
Ports of Industrial Scandinavia (Sweden's East Coast)
Riches of the Veld (South Africa)
Sheep Ranch Country (Australia)

Trade and Industry (Great Britain)
Tropical Lowland — The Amazon River (Brazil)
Tropical Mountain Island (Java)
U.S. Community and Its Citizens, A
Water For Dry Lands (USA — Southwest)

LIVING EARTH (EB)

Arteries of Life
Birth of the Soil
Seeds of Destruction
This Vital Earth

LIVING FOREST (EB)

Forest Conservation
Forest Grows
Forest Produces

MARRIAGE FOR MODERNS (McGH)

Choosing For Happiness
It Takes All Kinds
Marriage Today
This Charming Couple
Who's Boss

MENTAL MECHANISMS (NFBC)

Feeling of Hostility
Feeling of Rejection
Feelings of Depression
Over-dependency

PERSONAL GUIDANCE (C)

Am I Trustworthy?
Appreciating Our Parents
Fun of Being Thoughtful
How to Get Cooperation
Overcoming Worry
Understand Your Emotions
Understand Your Ideals
What Makes a Good Party

PERSONALITY DEVELOPMENT (EB)

Answering the Child's Why
Baby Meets His Parents
Helping the Child to Accept the Do's
Helping the Child to Face the Don'ts

ABC OF THE AUTOMOBILE ENGINE (GM)

An animated film explaining the parts and workings of the automobile engine. The 3 basic ingredients that make an engine operate—air, fuel, and ignition—are personified as cartoon characters. The function of the carburetor, piston, piston rings and pins, connecting rods, crankshaft, valve mechanism, ignition, cooling and lubrication systems are shown. (Color) (J-H-C-A)

One reel (800 feet), 18 minutes
Handling charge, \$1.00

ABC OF THE DIESEL ENGINE (GM)

An animated film showing the fundamentals of the operation of a diesel engine. Air, fuel and ignition are personified as cartoon characters. Examples of the use of the engines as a source of power in industry and transportation are given. (Color) (J-H-C-A)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

ABOUT FACES (EFLA)

The importance of correct dental care for the health of the individual, as well as for the nation, is stressed in this film released by the Department of Health. The subject is explained in story form and is centered around the life of an American boy from his cradle to the day he is inducted into the army. (I-J-H)

One reel, 11 minutes
Handling charge, \$1.00

ACCENT ON LEARNING (OSU)

"What is teaching?" is the question asked and explained in this film. It stresses the necessity of a variety of teaching tools and techniques. Essentially a film for teachers, it offers many useful suggestions. Audio-visual aids are strongly recommended and demonstrated in actual classroom situations. (C-A)

One reel (1200 feet), 33 minutes
Rental, \$3.50

ACCIDENT BEHAVIOR (PRP)

Explains a step by step procedure to follow when involved in an accident. Shows care of the injured; hazards of fire; legal responsibilities, and many other phases of accident behavior. (I-J-H-C-A)

One reel (800 feet), 20 minutes
Rental, \$2.50

ACCORDING TO PLAN: INTRODUCTION TO ENGINEERING DRAWING (McGH)

This film aims to help the beginning student get started on the right track in his thinking about engineering drawing. Other titles in this series are: Auxiliary Views; Double Auxiliaries, Auxiliary Views;

Single Auxiliaries, Drawings and the Shop, Orthographic Projection, Sections and Conventions, and Selection of Dimensions. (C)

One reel, 9 minutes
Rental, \$2.00

ACT YOUR AGE (C)

Students will see here some of the more common types of "infantile reactions"—temper, weeping, inability to "take a joke" as well as other forms of emotional immaturity. And, having seen examples of these traits, they'll see the basic reasons for the continuance of these common signs of emotion into adolescence. To help overcome the social handicaps that come with inability to "grow up," the film offers a method of self-evaluation. (J-H-C)

One reel (800 feet), 16 minutes
Rental, \$3.00

ADDITION IS EASY (C)

What is addition? How is it done? Billy needs to buy a set of paints but he wants to buy a baseball bat too. Has he enough money for both in his own bank? This simple and effective film lesson establishes the basic concepts and demonstrates the methods of addition which are all-important to a solid foundation for the study of mathematics. For other film in this series, see Subtraction Is Easy. (P)

One reel, 10 minutes
Rental, \$2.00

ADOBE VILLAGE—MEXICO VALLEY (UW)

This film lesson vividly illustrates how areas colonized by Spanish peoples in the Western Hemisphere are characterized by much "blood-blending" and have developed a maize culture with life centered in the village, especially in the church of the village. The central plateau of Mexico well illustrates this geographic principle. Here one finds a mixture of Indian and Spaniard Blood (mestizos). The peasants are seen practicing a maize culture (mostly a hoe-culture). Their life is centered in the market town, and they are particularly close to their church. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

ADVANCED TENNIS (BFS)

Bill Tilden reviews tennis fundamentals and continues to advanced techniques. Demonstrations and illustrations of net game, footwork, smash, service, and volley are photographed from front, back, side, and overhead to allow study from every angle. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

ADVANCED TUMBLING (C)

Demonstrates the more difficult stunts. See Beginning Tumbling. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

ADVANCED TYPING — DUPLICATING AND MANUSCRIPT (UW)

Demonstrated in this film is the proper method of making masters for duplicating machine use, correcting mistakes on a stencil, the use of the illuminated drawing board for tracing lines, making hectograph masters, correcting mistakes when using hectograph ribbons or carbon, use of the electromatic hectograph machine, use of various types of duplicating machines, and typing manuscripts with footnotes. Centering on the typewriter, improvising characters or marks that do not appear on the typewriter, and reading proof-reader marks are also explained. (H-C)

One reel (1200 feet), 25 minutes
Rental, \$2.50

ADVANCED TYPING — SHORTCUTS (UW)

The importance of good posture and having your equipment arranged is stressed along with demonstrations on how to use the tab stops, tab bar, and decimal tabulator key. How to handle carbon packs; use the pressure indicator; make proper erasures; insert missing words and letters; remove extra words and letters; type cards, envelopes and labels; and draw vertical and horizontal lines are also shown. (H-C)

One reel (1200 feet), 35 minutes
Rental, \$2.50

ADVENTURES OF BUNNY RABBIT (EB)

The characteristics and habits of rabbits in their natural environments are presented in a dramatic, information type of film. The film sequence follows: Mother Gray Rabbit with her newly born young in their burrow; Mother Rabbit feeding; White Rabbit from the farm visiting Gray Rabbit; Fox pursuing Gray Rabbit to burrow; Fox unable to get into burrow; Bunny's experiences with Frog, Squirrel, and Turtle in woods; Bunny's experiences on the farm with Cows, Chicks, Puppies, Turkeys; Bunny finds lettuce in greenhouse; farmer puts Bunny into doll house; Bunny runs back to woods. (P-I)

One reel, 11 minutes
Rental, \$2.00

ADVENTURES OF HUCKLEBERRY FINN (TFC, Restricted to Classroom Use)

A school abridged version of the feature-length dramatization of Mark Twain's book. (I-J-H-C)

One reel (1600 feet), 40 minutes
Rental, \$5.50

ADVENTURING PUPS (YA)

The story of three beagle puppies and their adventures on the farm and in the woods. Serves to stimulate observation by the pupil and introduces him to the characteristics and actions of dogs and several other animals of the woods and farm. (P-I-J)

One reel, 8 minutes
Rental, \$2.00

AERIAL NAVIGATION — MAPS AND THE COMPASS (UW)

An over-all view is presented of the various types of map projection; and the advantages and disadvantages of each are compared and contrasted. Animated maps and commentary are combined to explain gnomonic projection, Mercator projection, and Lambert conformal projection. The advantages and disadvantages, in terms of their usefulness, are discussed and illustrated by maps. (H-C)

One reel, 11 minutes
Rental, \$2.00

AERODYNAMICS — AIR FLOW (UW)

Through the use of smoke, the flow of air around airfoils is shown. Skin friction, streamlining and the trend in design toward high speed airfoils, the use of wing flaps and their design, and the effect of ice on leading edges are illustrated. (H-C)

One reel (800 feet), 18 minutes
Rental, \$2.00

AERODYNAMICS (PROBLEMS OF FLIGHT) (EB)

Intended as a companion reel to the film *Aerodynamics (Theory of Flight)*, this production describes the use of the plane's controls in taking off, climbing, banking, stalling, spinning and recovery, diving, gliding, and landing. Superimposed animated diagrams help to clarify the action of forces acting on the plane while executing these maneuvers. Gliding and landing are given special consideration by demonstrating both correct and incorrect techniques. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

AERODYNAMICS (THEORY OF FLIGHT) (EB)

Illustrates the application of physical laws to forces acting on airfoils. Wind tunnel tests demonstrate the relation of air velocity to lift and drag on plain and cambered airfoils. Control of airplane movements about vertical, lateral, and longitudinal axes by means of the rudder, elevator, and ailerons, respectively, is demonstrated in pitching, rolling, and yawing. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

AEROLOGY — THUNDERSTORMS (USN)

Deals with the formation of thunderclouds, and points out their identifying features. Alternatives a pilot may follow when storms are encountered are discussed. One pilot's experience with a thunderstorm is dramatized. Animation and some straight photography are used. (H-C)

One reel (1600 feet), 35 minutes
Rental, \$2.50

AFRICAN FAUNA (PHP)

This interesting and instructive color film was photographed in Kenya Colony, Uganda, and the Belgian Congo, just previous to the war. Paul L. Hoeffler, the internationally recognized African authority, is the photographer. The following animals are filmed in their natural habitat: waterbuck, impalla, cheetah, crocodile, elephant, zebra, lion, giraffe, and hippopotamus. It dispels many of the preconceived ideas that people have concerning many of these animals. (Color) (I-J-H-C-A)

One reel, 11 minutes
Rental, \$3.00

AFRICAN TRIBES (PHP)

Was photographed in Kenya Colony and the Belgian Congo. The story of the tribes starts in the Belgian Congo and ends in the great Kaisut Desert. The pictures of the Rendille with their "ships of the desert" are the first ever photographed. (Color) (J-H-C-A)

One reel, 10 minutes
Rental, \$3.00

AGE OF DISCOVERY: SPANISH AND PORTUGUESE EXPLORATIONS (C)

Adventure and exploration that takes students back more than 500 years. They see seaports and sailing vessels, towns and towers, that figured in the exploration of routes to the Orient and then to the discovery of the New World. (I-J-H-A)

One reel, 11 minutes
Rental, \$2.00

AIDA (CP)

Verdi's immortal "Triumphant March" is played with all its splendor when it is conducted and directed by Friedrich Feher. The orchestra is accompanied by the National Philharmonic Chorus. A musical masterpiece, a great orchestra, and a great chorus combined with excellent photography produce a stimulating musical film. (I-J-H-C)

One reel, 10 minutes
Rental, \$1.50

AIR ALL AROUND US (YA)

This film presents and explains a number of classroom demonstrations which illustrate concepts con-

cerning air pressure, contraction and expansion of air, and compressed air. (P-I)

One reel, 10 minutes
Rental, \$2.00

AIR IN ACTION (C)

Demonstrates the science of aerodynamics by explaining simple parlor tricks in terms of scientific knowledge and applying that knowledge to everyday living. Air resistance is analyzed, and applications to common experiences are explained. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

AIR TRANSPORTATION (VGF)

Presents the whole field of occupations in the air transportation industry, from the highly trained flight and mechanical personnel to the clerical jobs which take but a small amount of instruction to qualify. (H-C)

One reel, 11 minutes
Rental, \$2.00

AIRLINER, THE (DM)

There is no one subject of more general interest today than aviation and air transport. Many of the terms used in newspapers and periodicals and over the radio are clarified in this film. The Airliner provides a vicarious experience of not only a trip by air, but a study of planes, instruments, and government control of air transport. Therefore it serves as an excellent general information film to be used in assemblies, P.T.A. meetings and club groups as well as for intensive use for class reference.

The Airliner meets several distinct teaching needs. It treats specifically of airplanes and aeronautics, including the plane itself, flying instruments, government control, and passenger service. It therefore fits into a unit of work on airplanes at any grade level. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$2.50

AIRPLANE CHANGES THE WORLD MAP, THE (EB)

Treats in excellent fashion the whole problem of map reading, particularly as it relates to the globular character of maps which has assumed so great importance for air travel. The various types of projection used in maps are shown and expressed in detail. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

AIRPLANE RADIO ANTENNAS (USSC)

Presents an over-all view of the generation and the behavior of radio waves. Animated diagrams, combined with real photography, are used with the commentary to discuss static fields, magnetic lines of

force, high-frequency generators, the behavior of radio waves in space, and the reflection of radio waves. There follows a discussion of skip distance, ground waves and the fading and the distortions that result from a conflict between waves. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

AIRPLANE STRUCTURES — ALIGHTING GEAR (USSC)

The general working plan of the alighting gear, showing the loads exerted, is set forth. The planes of operation, the component parts and the devices that warn of the alighting gear's position are explained. (H-C)

One reel, 9 minutes
Rental, \$2.00

AIRPLANE STRUCTURES — FUSELAGE CONSTRUCTION (USSC)

A series of over-all views indicates the various sections of the aircraft fuselage, and shows the steps of the development of a fuselage with the pilot's coup. Some attention is given to the differentiations of cowl- ing for air-cooled and liquid-cooled engines. (H-C)

One reel, 8 minutes
Rental, \$2.00

AIRPLANE STRUCTURES — STRUCTURAL UNITS (USSC)

Presents a pictorial discussion of the various units of a plane, and of the various types of loads, and stresses what each must be designed to handle. Diagrams show the various types of stresses that are involved in various angles of flight. Parts of the plane fuselage, wings, the landing gear, and the control surfaces are indicated and the function of each defined. (H-C)

One reel, 6 minutes
Rental, \$2.00

AIRPLANE STRUCTURES — WING CONSTRUCTION (USSC)

The film opens with drawings indicating the shape, the chord, and span of wings. Views of a wing in construction show its internal bracing in the form of spars and ribs. Commentary and drawings combine to explain the beam form used in wing construction. The general over-all picture of the assembling of sub-assemblies of wing sections is given. There is also shown the construction of wings where fuel tanks are built into the wings. (H-C)

One reel, 9 minutes
Rental, \$2.00

AIRPLANE TRIP, AN (EB)

In a modern airliner a mother and her young daughter journey, with other passengers, from Los

Angeles to Salt Lake City. On arriving at the airport, a hanger is inspected, and servicing operations on different parts of a plane are observed. After the plane is loaded with mail and express the passengers embark, safety belts are adjusted, and the plane takes off. En route, the plane's instruments and operation are simply explained. Picturesque views of the ground and clouds are shown. The stewardess serves a meal and makes up the sleeping berths. A telephonic weather report is received by the pilot, and the plane lands at Salt Lake City at dusk. Mother and daughter disembark and watch their plane continue its journey into the night. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

AIRPLANES (USBM)

General interest film to model plane builders and others. (I-J-H)

One reel (1600 feet), 37 minutes
Handling charge, \$1.00

AIRPLANES AND HOW THEY FLY (YA)

Using photography and animation, this film serves two purposes: it surveys the major types of modern aircraft — propeller-driven, jet-powered, military and commercial, large and small; it provides an elementary explanation of how an airplane is pulled through the air, how airflow lifts the plane into the air, and how the flight of the plane is controlled by rudder, elevator, and aileron. (P)

One reel, 11 minutes
Rental, \$2.00

AIRPORT (EB)

The film provides a comprehensive overview of the many activities carried on at a large municipal airport. The film will be especially useful in helping children understand what goes on behind the scenes on the ground, so that flying in the air will be safe, fast, and comfortable. (P-I)

One reel, 11 minutes
Rental, \$2.00

AIRWAYS OF THE FUTURE (MOT)

Important in this film are impressive shots showing some of the remote regions traversed by the huge planes of the ATC. The climax of the film shows how the airways of war can become the airways of the future, bringing close remote corners of the world. (J-H-C)

One reel (800 feet), 12 minutes
Rental, \$2.00

ALASKA (FI)

Is the history and the agricultural and industrial development of a twentieth century frontier country, with particular emphasis on the work pioneer people have to do to settle new land, build new communities, and create new industries. (J-H)

One reel (800 feet), 22 minutes
Rental, \$2.50

ALASKA — A MODERN FRONTIER (C)

Through the wilderness we travel to see a first-hand view of Alaska. There is the thriving, modern community of Fairbanks. On a trip with the "flyingest people in the world" we visit gold miners, salmon fishermen, pioneer farmers of the Matanuska Valley, Eskimos on the coast of the Bering Sea . . . to see why Alaska is really a modern frontier. (I-J-H)

One reel, 10 minutes
Rental, \$2.00

ALASKA — RESERVOIR OF RESOURCES (EB)

The relationship of people living in Alaska to their environment and the tremendous reservoir of resources which Alaska comprises is outlined. The following representative aspects of Alaska's resources are portrayed in this picture: fishing, lumbering, mining, fur trapping, and agriculture. Emphasis is also placed on Alaska's special transportation problems. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

ALASKA TOUR (TFC, Restricted to Classroom Use)

This is a typical travelogue of Alaska. It shows many interesting parts of Alaska, including the salmon packing industry. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

ALASKA'S SALMON FISHERIES (ASFL)

The importance of Alaska's greatest industry — salmon fishing — is shown in this 1938 production. Shots of canning factories are shown and we find out that in recent years the Alaskan industry has had a serious competitor — Japan. An equal-area projection map shows the relation of Alaska to Siberia and Japan. An airline advertisement introduces a sequence pointing out Alaska's new found resources which have been made available to Americans by the development of air travel. The coast guard cutters which protect the fishing boats and enforce conservation methods sail up the coast and some of the guardsmen's most important services are photographed. In the following sequence a coast guard cutter sails out toward a fishing boat and the men see a foreign ship just beyond the three mile limit. The dialogue of the men indicates that since Russia has closed the fishing banks off Sakhalin to the Japanese, their boats have been seen more frequently in American waters. Alaskan fishermen organize and in Washington, the Alaskan delegate asks for protection of this important industry. (J-H-C)

One reel, 8 minutes
Rental, \$2.00

ALASKA'S SILVER MILLIONS (AC)

An excellent industrial film prepared for classroom use from the fifth to the tenth grade. It shows some

splendid scenes of the salmon run. The details of the canning of salmon are clearly shown. (I)

One reel (1200 feet), 30 minutes
Handling charge, \$1.00

ALCOHOL AND THE HUMAN BODY (EB)

Graphically explains the specific effects of alcohol on the human body, describing the characteristics of alcohol and how it is made. Traces the course of alcohol through the body until it either oxidizes or escapes. Reveals the progressive effects of alcohol on the important brain centers of judgment, muscular control, vision, and coordination. Dramatizes the cause of a problem drinker, and prescribes a treatment. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.50

ALGEBRA IN EVERYDAY LIFE (C)

There is nothing mysterious about algebra. It is only a language of numbers. Students will realize this as they see Grace and Bill solve a problem which confronts them in the preparations for their annual school revue — solve it by using algebra. With emphasis on these three basic algebraic steps: 1) observation, 2) translation, and 3) manipulation and computation, this film shows how algebra is used in everyday life as well as in specialized fields. (J-H)

One reel, 10 minutes
Rental, \$2.00

ALICE IN WONDERLAND

(TFC, Restricted to Classroom Use)

A school version taken from MGM's feature picture of the same name. (General)

One reel (1600 feet), 40 minutes
Rental, \$5.00

ALIMENTARY TRACT (EB)

Intended as a supplement to the film "Digestion of Foods," this picture treats in detail motility phenomena of the gastrointestinal tract. Actual photography reveals different types of movements in the stomach such as hypermotility, inhibition, anti-peristalsis, hunger contractions, and normal movements. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ALL-AMERICAN MICKEY (BF)

There's football in the air, and it's Mickey's team against the Alley Cats. Everything goes wrong. A goat enters the scene, mixes up the show, Mickey goes the wrong way, but the situation clears surprisingly after Mickey's drive for the goal has been stopped. (General)

One reel, 5 minutes
Rental, \$1.25

ALL-STAR BASEBALL GAME OF 1948 (OF)

Here is a front-row seat at St. Louis' Sportsman's Park to watch DiMaggio and Williams pit their hitting power against Mize and Kiner. A close-up view of the American League's high-rated hitting vs. National League's much-publicized pitching. (General)

One reel, 11 minutes

Rental, \$2.00

ALLOY STEELS (USBM)

The opening scene shows a toolsmith at work in an old-time shop using early methods of fashioning tools by hand. It also depicts the "cementation" process—making of blister bar steel by adding carbon to wrought iron, a process known by the ancients and rediscovered many years later by European workers.

The scenes following portray outstanding milestones in the history of the development of alloy steels. The contributions of Benjamin Huntsman in 1742 and of Robert Mushet in 1868, as well as the improved method of heat treatment first used in 1890 which made possible the development of cutting tools that ran at the unheard-of speed of 100 to 150 feet per minute, are shown. Within a few years many brands of high-speed steels were on the market, Julius Baur's chromium steel was patented, Sir Robert Hadfield perfected a high-manganese steel, French metallurgists first alloyed steel with nickel, and molybdenum and vanadium had come into use.

Many brands of English and American steels made their appearance between 1900 and 1906 as automobiles created a need for strong and more reliable steel. The increases in source of supply together with laboratory improvements and research during the period of 1917 and 1938 are shown in detail. The reel ends with a view of modern plants and equipment for heat treating and fabrication of steel. (J-H-C)

One reel (800 feet), 20 minutes

Handling charge, \$1.00

ALOHA (CC)

Some of the customs, industries and occupational activities of Hawaiians constitute the major part of this film. Also shown are some of the water sports of the islands. Native music constitutes the background for the narrator's voice. (I-J-H)

One reel, 11 minutes

Rental, \$1.50

AM I TRUSTWORTHY? (C)

Returning borrowed articles, keeping promises, doing a good job with assigned tasks are all presented as examples of trustworthiness in this film. Students see and learn that by practicing trustworthiness in the little things of everyday life, people will trust them when important issues are raised. (P-I)

One reel, 11 minutes

Rental, \$2.00

AMERICA THE BEAUTIFUL

(TFC, Restricted to Classroom Use)

This is an inspiring film, showing the true greatness and striking beauty of our United States. The color-camera takes the viewer to the great scenic areas of the nation, to the fields of great agricultural and mineral wealth, to show that within our country lies even further opportunity for development. Our land has taken our people far, but there are greater goals to reach, greater tasks to be accomplished, and a greater future in sight. (Color) (General)

One reel (800 feet), 20 minutes

Rental, \$5.00

AMERICAN COP (MOT)

Statistics show that there has been a marked increase in crimes of violence since the war's end. The burden of putting down this crime wave falls largely on the shoulders of the man who comes to close grips with crime—the cop. The specific case depicted in the film is both exciting and authentic. (General)

One reel (800 feet), 18 minutes

Rental, \$2.25

AMERICAN PORTRAIT (ILI)

Featuring screen star Alan Ladd, this picture tells the story of improvements and better ways of life which have come into being during the last one hundred years. Inventiveness and ingenuity created the improvements, but the force which brought them into widespread use has been American salesmanship. (General)

One reel (800 feet), 25 minutes

Handling charge, \$1.00

AMERICAN SPOKEN HERE

(TFC, Restricted to Classroom Use)

A dramatized history of several slang expressions, showing their origin and how they came to be included in the American idiom. (J-H-C)

One reel, 11 minutes

Rental, \$2.25

AMERICAN SQUARE DANCE (C)

Relates the square dance to social dancing, teaches the positions of the dancers in relation to the calls and defines terms. (I-J-H-C)

One reel, 11 minutes

Rental, \$2.00

AMERICAN TEACHER, THE (MOT)

Presents the pros and cons of "Progressive Education" and points out to the U.S. citizen his responsibility for the quality of the education his community provides for its young.

Yesterday's education in the U.S. was typified by the proverbial little Red School House and today's em-

phasis is upon the scientific principles of psychology — but all good teachers know that their methods are as individualistic and personal as any other artist's; and all realize the importance of developing in their pupils the ability to think as well as a knowledge of the facts. (H-C)

One reel (600 feet), 15 minutes
Rental, \$2.25

AMERICANS ALL (MOT)

A gripping and objective presentation of an issue which concerns every American. The film further shows how a forward-looking city like Springfield, Massachusetts offers an inspiring plan to other communities for combatting prejudices and how your school and your town can deal with the causes of this injustice. (I-J-H-C-A)

One reel (800 feet), 16 minutes
Rental, \$2.25

AMERICANS ALL (OIAA)

The young people who live and work and play between the Straits of Magellan and the Rio Grande River are honestly and dramatically depicted. It is intended to give the people of the United States a better understanding of their little-known fellow Americans to the South. (I-J-H-C)

One reel (800 feet), 22 minutes
Handling charge, \$2.00

AMERICA'S WONDERLANDS (ESF)

Shows America's scenic wonders — Niagara, Crater Lake, Columbia River, Yosemite, Mount Rainier, and the Monterey Peninsula — the nation's most spectacular sights. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

ANCHORS AWEIGH (OWI)

Splendid background scenes of the Navy at sea stir the audience while Conrad Thibault sings the Navy song in a rousing manner. The audience joins in the last chorus. (General)

One reel, 4 minutes
Handling charge, 50 cents

ANCIENT ROME (C)

As a city, as a religious center, as capital of an empire, ancient Rome dominated the people of its times. Even in our modern world, the Roman influence is profound. The achievements of Rome in government, in architecture, in engineering are presented, establishing our specific inheritance from that culture. (I-J-H)

One reel, 10 minutes
Rental, \$2.00

ANCIENT WORLD INHERITANCE (C)

Illustrates many of our debts to Egyptians, Babylonians and other ancient people. Produced in coopera-

tion with the Oriental Institute, University of Chicago. (Color) (I-J-H)

One reel, 10 minutes
Rental, \$3.50

ANDANTE ET RONDO (OF)

Gregor Piatigorsky, concert cellist, presents tonal magnificence of rare quality in this brilliant rendition of Weber's "Andante et Rondo." (J-C)

One reel, 5 minutes
Rental, \$2.00

ANDES, THE (HFE)

The story of an unusual mountain range, how it is responsible for the climate, resources, and boundaries of a nation, and how it governs the lives of the people of Chile. Simple animated drawings show the effect of the Andes on Chilean climate and natural resources. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ANGEL OF MERCY

(TFC, Restricted to Classroom Use)

The story of Clara Barton, who gave the very best of her efforts in an attempt to place the women on an equal footing with the men of the world is dramatized most effectively in this appealing and moving biographical film. Her efforts finally gave birth to the Red Cross organization as it is now. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

ANGLES (KB)

Defines various types of angles and explains their relationships. Shows how to construct angles by means of intersecting lines, and how to measure them with a protractor. (H-C)

One reel, 11 minutes
Rental, \$2.00

ANGLES AND ARCS IN CIRCLES (KB)

Deals with measurement of central angles, arcs, inscribed angles, and angles formed by two chords. Theorems and proofs are introduced and demonstrated. (H-C)

One reel, 11 minutes
Rental, \$2.00

ANIMAL LIFE (EB)

After a rapid review of the main types of animals, the film presents a study of animal functions. An animated diagram of the tree of life is presented, together with views of the main types of animals, including sponges, coelenterates, echinoderms, worms, molluscs, crustaceans, insects, and vertebrates (fishes, amphibians, reptiles, birds, and mammals). To present animal functions, illustrations of locomotion, food intake, digestion, waste disposal, respiration, and nervous

system activity are given. Animated diagrams make these illustrations more clearly understood. (H-C)

One reel, 11 minutes
Rental, \$2.00

ANIMALS GROWING UP (EB)

Traces growth and development of representative baby animals during the first few weeks of life. Animals depicted include a litter of puppies, a new-born calf, and a hatching of chicks. The film illustrates how mother animals care for their young, and close-up scenes portray the physical changes taking place in the young animals at intervals of several days and weeks. (P-I)

One reel, 11 minutes
Rental, \$2.00

ANIMALS IN MODERN LIFE (EB)

The major objectives of this sound film are first, to familiarize pupils with domesticated animals the world over; second, to show the three principal reasons for their domestication—to furnish power, clothing materials, and food; and third, to give an appreciation of a world in constant evolution by showing changes in the various uses of animals. Picturesque and typical illustrations from all over the world are used. This film has highest usefulness introducing a unit of study, and for review. (I)

One reel, 11 minutes
Rental, \$2.00

ANIMALS IN THE SERVICE OF MAN (AHA)

For the first time in the history of the humane movement, a color motion picture grippingly depicts the machine and industrial world of today and its dependence upon animals, showing what animals do for man as well as what man can do for animals. There are many striking views of pets and other domestic animals. The climax brings out some of the more important functions of welfare societies in protecting and conserving animal life. (Color) (General)

One reel (800 feet), 22 minutes
Rental, \$4.50

ANIMALS IN WINTER (EB)

Tells how animals adapt themselves for winter, how they change the color of their hair or fur and how they survive during the months of snow. Animals shown in this new film include the badger, woodchuck, chipmunk, owl, rabbit, porcupine, bobcat, fox. It shows the changes that take place in larvae for the winter months. The preparations each makes for its winter fight for survival is clearly shown. (I-J)

One reel, 11 minutes
Rental, \$2.50

ANIMALS OF THE ZOO (EB)

Feeding time at the zoo! This gives us a splendid opportunity to see not only the animals themselves, but

the different kinds of food they eat. For some of the animals the zoo has reproduced the conditions of their native homes. Among the film stars are the lion, tiger, eland, giraffe, bison, hippopotamus, rhinoceros, elephant, monkeys, sea lion, and the bears—brown, black, and polar. (P-I)

One reel, 11 minutes
Rental, \$2.00

ANIMALS UNLIMITED (ASF)

Depicts wild animal life in its natural state in Kruger National Park. Shows remarkable scenes of wild beasts living, fighting and dying. Includes lions, zebras, antelopes, giraffes. (P-I-J)

One reel (800 feet), 22 minutes
Rental, \$3.00

ANIMATED CARTOONS: THE TOY THAT GREW UP (AFF)

Although magic lanterns had been in vogue for many years, it was not until the invention of a child's toy that another step was taken towards today's motion pictures. The film shows how that toy, called the "traumatrope," led the Belgian physicist, Joseph Plateau, to study a characteristic of the human eye called "the persistence of vision." Plateau used this scientific fact to make up a machine that seemed to animate static drawings. Emil Reynaud developed Plateau's machine further and was the first to show animated cartoons. Reynaud perfected his machine, the "Praxinoscope," to such a degree that with it he could put on a real theatrical performance lasting a full quarter of an hour. The animated cartoons of Reynaud, of which one complete story is shown in the film, are as full of fantasy and almost as precise as the product of today's animation studios. (General)

One reel (800 feet), 20 minutes
Rental, \$3.00

ANNA KARENINA

(TFC, Restricted to Classroom Use)

A school version of MGM's feature picture of the same name. (J-H-C)

One reel (1600 feet), 40 minutes
Rental, \$5.00

ANT CITY (NA)

The complete and complex society of ants is laid bare before our amazed eyes. Their architecture, social and economic perfection, ability to organize and control, their habits, work and detailed activities are all astonishingly revealed. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.25

ANTS (EB)

The film reveals various activities of four different types of ants—mound builders, black ants, household

ants, and carpenter ants. The life cycle of the carpenter ant is shown in detail; this includes such activities as a queen laying eggs, workers caring for pupae, a female pupa emerging from her cocoon, and preparation for the mating flight. A battle between colonies of mound builders and wood ants is shown. (I-J)

One reel, 11 minutes
Rental, \$2.00

APACHE INDIANS (C)

Natural setting and color picturization of several tribal ceremonies. (Color) (I-J-H-C)

One reel, 10 minutes
Rental, \$3.25

APHIDS (EB)

Most aphids have no fathers or even grandfathers. Some are born alive, while others hatch from eggs; only a few have wings. Ants keep them as cows, while the aphid itself secures its food in an unusual way. It is beset by a host of enemies, among whom is man. These scenes are supplemented by an animated drawing of the aphid's life cycle. It is an excellent picture of a little known creature. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

APPLES (FROM SEEDLING TO MARKET) (EB)

Uses the Delicious apple to trace the major steps of apple growing and packing — from planting and grafting stages through shipment of the packaged fruit. Features modern methods of horticulture including the use of helicopters for dusting the growing trees as protection against insect pests. Illustrates both natural and artificial methods of pollination. Emphasizes the care the trees and fruit receive during all stages of growth. Sequences on packing operations include scenes of washing, sorting, inspecting, wrapping, and packing. (Color) (P-I)

One reel, 11 minutes
Rental, \$3.25

APPRECIATING OUR PARENTS (C)

Here is a film that will serve as an important guide to promote a more genuine appreciation of parents and to establish attitudes of respect and affection for mothers and fathers. Students will realize the sacrifices made by parents and will so gain an insight into their role in the parent-child relationship. (P-I-A)

One reel, 11 minutes
Rental, \$2.00

APTITUDES AND OCCUPATIONS (C)

Points out that each individual possesses various amounts of many types of human aptitudes. Six of these aptitudes — clerical, mechanical, social, musical,

artistic and scholastic are shown with methods to test them by means of psychological tests. (H-C)

One reel (600 feet), 20 minutes
Rental, \$3.00

ARCHERY FOR GIRLS (C)

One of the most ancient of human skills, archery today is a fascinating and healthful sport for people of all ages. It is particularly well adapted to group instruction among girls of high school and college age. With experts demonstrating, the film shows and explains the fundamental techniques of shooting: proper stance, nocking the arrow, the draw, the aim, and the loose. Stressing relaxation and practice, it is popular with beginners and experts alike. (H-C)

One reel, 10 minutes
Rental, \$2.00

ARCHIVES, THE

(TFC, Restricted to Classroom Use)

The approach to the Archives Building is pictured with its two statues, "Heritage" and "Vigilance," upon which the words "Eternal vigilance is the price of liberty" are chiseled. Bronze doors swing open to reveal the Exhibition Hall where some of the greatest documents of freedom and peace are on display. Valuable records are shown in the Search Room being reconditioned and treated for permanent filing, in the photostat room being copied on durable paper for public handling, and in the storage vaults where historical records are preserved on films and recordings. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

ARCTIC BORDERLANDS IN WINTER (C)

Takes students of Churchill, Manitoba, in the late autumn for a visit that will last through the winter. Here they have an opportunity to study the land itself and the way in which all living things adapt themselves to it. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

ARE YOU A GOOD CITIZEN? (C)

Mr. Heineman has just been chosen to preside over the "Citizenship Day" celebration. In this film you see why he is considered such a good citizen. A check-list of good citizenship essentials is provided, and you learn a new appreciation of the role of democratic institutions in our way of life. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

ARE YOU POPULAR? (C)

Crystallizes teen-age problems of social behavior into a vital, compact guide to boy-and-girl proprieties

and popularity. An attractive cast portrays realistically familiar situations and characterizations. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ARE YOU READY FOR MARRIAGE? (C)

Here is an important film that answers a need long-voiced by educational, church, and social groups. A couple, who want very much to get married, discover what it takes to be ready for marriage. A variety of vital teaching points are made a practical "check-list" of criteria for engagement and marriage is offered by a marriage counselor. (H-C-A)

One reel (800 feet), 17 minutes
Rental, \$3.00

AREAS (KB)

The needs and uses for finding areas of various figures are presented in this film. It shows clear graphic demonstrations of recognized methods for the computing areas of rectangles, parallelograms, triangles and circles. (H-C)

One reel, 11 minutes
Rental, \$2.00

ARGENTINA (EB)

Depicts the modern metropolis of Buenos Aires as the commercial, financial, and industrial hub of predominantly agricultural Argentina. A grain broker and a packing plant employee, together with the family of the latter, are introduced as representative city dwellers. Following a portrayal of the vast pampas region as the source of Argentina's agricultural wealth, the dependence of the city on the rural hinterland is again emphasized. Spanish dialog is periodically incorporated into the film story. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

ARITHMETIC FOR BEGINNERS (BFS)

Designed for teaching of simple addition and subtraction. Explains the 2,3,4,5, and 6 families of numbers by the use of animated toy figures. (P)

Three reels, 6 minutes per reel
Rental, \$4.00

ARIZONA — ITS MINERAL RESOURCES AND SCENIC WONDERS (USBM)

This partly colored film opens with a general view of typical Arizona cactus land. The commentator then speaks of stock ranges. A map gives us some idea of the state's topography, and points out the principal mining districts. There follows a rather lengthy tour of many of the mines of the state and type of mining and statistics is given at each location, including copper, gold, manganese, mercury, limestone, gypsum, sericite, feldspar, onyx, silica, asbestos and bituminous coal. (I-J-H)

One reel (1600 feet), 40 minutes
Handling charge, \$1.00

ARMY AIR FORCES — PACIFIC (OWI)

Review of the AAF from Pearl Harbor to the atomic annihilation of Nagasaki. (J-H-C)

One reel (800 feet), 18 minutes
Handling charge, \$1.00

ARMY AIR FORCES REPORT (OWI)

General Arnold's report (1944) on the AAF in film form. (General)

One reel (1600 feet), 40 minutes
Handling charge, \$2.00

ARMY-NAVY FOOTBALL GAME — 1947 (AFC)

Here is your opportunity to have a 50-yard line view of this famous American event. A great football game with many exciting plays. See Army's Rip Rowan's record-breaking, 92-yard touchdown run in slow motion. You will be inspired with the marching of the Cadets and Midshipmen and enjoy the stunts put on by the students of these two Academies.

One reel (800 feet), 20 minutes
Rental, \$3.00

ARMY NURSE (OWI)

Dramatic picturization of the role taken by American women serving with the armed forces. (J-H-C)

One reel (800 feet), 18 minutes
Handling charge, \$1.00

AROUND THE CORNER (JH)

Deals in interesting fashion with the difficult problem of making clear the operation of the automobile differential. We see that it is possible for wagon wheels to travel at different speeds because each one can turn freely on the axles.

Early automobiles are seen operating this way, encountering difficulty since only one wheel was driven by the engine and thus was not always able to get enough grip on the road. Engineers had to find a way to connect both rear wheels to the engine without sliding and slipping on turns. The solution was the differential.

In a step-by-step demonstration a simple differential is built up, showing its exact operation in an understandable manner. (J-H-C)

One reel, 9 minutes
Rental, \$2.00

ARROWSMITH (TFC, Restricted to Classroom Use)

Excerpt from the feature film of the same name which is concerned with the issue of experimenting on human beings. (H-C)

One reel, 11 minutes
Rental, \$2.25

ART DIRECTOR (TFC)

Explains the work of the set creators, providing an interesting, dramatic look-see into the research required to provide authentic settings and backgrounds for the different types of production. Shows Hollywood art directors at work and presents every step in the creation and construction of the motion picture set. (General)

One reel, 11 minutes
Rental, \$2.50

ART AND LIFE IN ITALY (C)

In this exciting film, students will see the art of Italy as the result of the activities of the Italian people in the land in which they live. Through the eyes of Coronet's overseas cameras, audiences will stand on the streets of Florence, walk through the "Gates of Paradise" by Ghiberti, go into the Arena chapel in Padua and see Giotto's frescoes and view other historic monuments and works of art. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

ARTERIES OF LIFE (EB)

Graphically explains the last two important links in the chain of life, the parts played by water and forests. It is vividly shown that topsoil is helpless in supplying life unless aided by water, and that water itself depends upon the forests which provide humus to store and regulate its flow. Other titles in this series are: Birth of the Soil, Seeds of Destruction, and Vital Earth. (Color) (J-H)

One reel, 11 minutes
Rental, \$3.25

ARTERIES OF THE CITY (EB)

Clarifies elements which influence the development of a city's transportation facilities. Factors considered include the distribution of residential and business sections; the daily flow of people between these sections; transportation planning; subway, suburban train, ferry, bus, and automobile traffic systems; the roles of highways, bridges, and tunnels; and police regulation. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

ARTS AND CRAFTS OF MEXICO (EB)

In the fascinating background of Old Mexico, native craftsmen are shown in their home workshops. Spinning sheep's wool, the weaving of serapes (sleeveless coat-like blankets), basket-making, glass blowing, and pottery-making are treated in detail. The film concludes with a display and discussion of Mexico's famous Guadalajara pottery. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

AT YOUR COMMAND (EC)

A report to American farmers showing many of the services now available through the Department of Agriculture, oil company tank wagon drivers, county agents, tractor dealers and college extension courses. (H-C)

One reel (1200 feet), 30 minutes
Handling charge, \$1.00

ATMOSPHERE AND ITS CIRCULATION (EB)

Animated drawings are used throughout this film to explain the structure and the dynamics of the atmosphere. The first part of the film gives a detailed presentation of the structure, the chemical composition, the gaseous nature, the distribution of air, the weight of air, altitude and pressure and temperature variations throughout the atmosphere. The second sequence shows the circulation of the atmosphere as it would appear on an idealized globe without mountains or oceans. The circulation is explained in terms of the pressure bands surrounding the earth. The actual circulation or wind movements as affected by the earth's rotation are described in detail both for winds near the surface and for winds aloft. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ATOMIC ENERGY (EB)

Portrays and explains, by means of animated multiple drawings, concepts basic to an understanding of what atomic energy is and how atomic energy is released. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ATOMIC PHYSICS (UW)

Part I — The Atomic Theory — starts with the theory as proposed by John Dalton in 1808 and outlines the progress of the nineteenth century, bringing in Faraday's early experiments in electrolysis, Mendeleeff's Periodic Table, and ending with ideas of the size of molecules and atoms which were then current. (H-C)

One reel, 11 minutes
Rental, \$2.50

Part II — Rays From Atoms — demonstrates how cathode rays were investigated and the electron discovered, how positive rays were found and their nature established; how X-rays were found and quickly put to use. The great work of Sir Joseph Thomson is emphasized. (H-C)

One reel, 11 minutes
Rental, \$2.50

Part III — The Nuclear Structure of the Atom — reconstructs the early work of Becquerel and the Curies on radioactivity and shows how Lord Rutherford's work in this field led to his theory of the nuclear

structure of the atom. H. G. Moseley's brilliant work in support of this theory is visually shown by animated diagrams. (H-C)

One reel (800 feet), 18 minutes
Rental, \$3.00

Part IV — Atom Smashing: The Discovery of the Neutron. In this part the research tools of nuclear physics are described and shots of the extraordinary machines now used to bombard atoms are shown. The work of the Joliot Curies and Sir James Chadwick in the discovery of the neutron is explained and its outstanding importance driven home. The splitting of the lithium atom by Cockcroft and Walton in 1932 is discussed and a speech by Professor Einstein explains how their work strikingly illustrated his theory of the equivalence of mass and energy. (H-C)

One reel (800 feet), 18 minutes
Rental, \$3.00

Part V — Uranium Fission: Atomic Energy. Finally, the events of recent times leading up to the discovery of uranium fission are brought in, and the principal facts of uranium fission are explained in detail. The sequence includes a speech by Professor Frisch who was closely concerned in this work. The film now moves quickly toward its climax, explaining why it seemed possible to make an atomic bomb and showing shots of the great plants in America where work was done; also the ruins of Hiroshima. (H-C)

One reel (800 feet), 18 minutes
Rental, \$3.00

ATOMIC POWER (MOT)

This film takes you to the early beginning of atomic research and unfolds the story of atomic power. It not only gives the facts and figures but also in each of the re-enacted scenes are found the actual scientists who performed the original experiments; Lise Meitner, Enrico Fermi, Albert Einstein, and others of equal importance. (H-C)

One reel (800 feet), 19 minutes
Rental, \$2.50

ATTITUDES AND HEALTH (C)

Marv Baker didn't make the basketball team. Alice was actually ill because she failed to get an expected promotion. The situation seemed hopeless until they learned, as the film teaches, that wrong attitudes prevent the individual from doing his best, and can even cause physical illness. The film shows that both achievements and failures have meaning only in perspective, and that self-confidence and right attitudes are vital to good health. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

AUSTRALIA (EB)

A survey of the geographic, economic, and social factors characterizing Australia today. Contrasts urban

and industrial concentration in East and Southeast with slower development in the arid central and western areas. Describes Australia's principal exports and imports, and reveals a modern and progressive society maintaining strong economic and social ties with the motherland, Great Britain. (I-J-H)

One reel, 10 minutes
Rental, \$2.00

AUTOMOTIVE SERVICE (VGF)

Gives the viewer a picture of the jobs in the field of automotive service. Millions of cars and trucks on the highway have created thousands of jobs for mechanics since these machines must be repaired and maintained if they are to operate. Sequences present different aspects of maintenance work on motors such as bearing replacements, valve grinding, block and body welding, brake adjustment, and electrical repair. Most schools offer courses in shop work, mechanical drawing, and mathematics which directly aid a boy in preparing himself for an automobile service job. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

AUTUMN ON THE FARM (EB)

Shows all the fun and work of farm life in autumn. (Color) (P-I)

One reel, 11 minutes
Rental, \$3.25

AUXILIARY VIEWS, PART I (McGH)

This film begins by showing that the three principal views do not represent the true surfaces of an object that has one or more slanting faces. This condition is shown to require projection of the slanting surface on a plane which is parallel to it and is not one of the principal planes. Thus auxiliary projection is explained and defined and an auxiliary elevation is constructed on the screen. Other titles in this series are: Auxiliary Views, Part II; Language of Drawing; Sections; Shape Description, Part I, Part II; Shop Procedures; and Size Description. (H-C)

One reel, 10 minutes
Rental, \$2.00

AUXILIARY VIEWS, PART II (McGH)

A detailed description of the three types of single auxiliaries — auxiliary elevations, right and left auxiliaries, and front and rear auxiliaries — is shown. To point up this description, a number of familiar household articles are shown having slanting surfaces that require auxiliary views for complete representation. For other titles in this series see Auxiliary Views, Part I. (H-C)

One reel, 10 minutes
Rental, \$2.00

**AUXILIARY VIEWS: DOUBLE AUXILIARIES
(McGH)**

Following a brief review of orthographic projection on three principal planes and on auxiliary planes, the film introduces an object to be drawn possessing a slanting face not perpendicular to any of the principal planes. Theory of double auxiliary or oblique view is described in detail. For other titles in this series see According to Plan: Introduction to Engineering Drawing. (C)

One reel, 11 minutes
Rental, \$2.00

**AUXILIARY VIEWS: SINGLE AUXILIARIES
(McGH)**

Auxiliary projection is explained and defined together with detailed explanation of the different types of auxiliaries: auxiliary elevations, right and left auxiliary views, and front and back auxiliary views. For other titles in this series see According to Plan: Introduction to Engineering Drawing. (C)

One reel (800 feet), 23 minutes
Rental, \$2.50

AVE MARIA (OF)

Elisabeth Schumann, renowned opera-lieder singer, exalts in the Ave Maria by Schubert, filmed against a background of symbolic beauty. (J-C)

One reel, 5 minutes
Rental, \$2.00

AVE MARIA (Castle)

Deanna Durbin sings Schubert's immortal song. (J-H-A)

One reel, 4 minutes
Rental, \$1.00

BABY ANIMALS (YA)

An elementary science film dealing with animals and their young. Introduces and explains such concepts as degree and nature of care, resemblance to parents, general growth patterns, variation in ability to care for selves, and the fact some baby animals are hatched from eggs and others born from the body of the mother. (P)

One reel, 10 minutes
Rental, \$2.00

BABY CARE: FEEDING (EFLA)

Divided into two major sequences — correct feeding of the baby and baby's food — the film depicts the more accepted procedures at present in the science and art of infant feeding. (H-C)

One reel (800 feet), 23 minutes
Rental, \$2.00

BABY MEETS HIS PARENTS (EB)

Shows how differences in personalities can be accounted for, not only by heredity, but also by the human relationships and environmental factors experi-

enced during the first years of life. It explains, with life situations, how the infant personality is influenced directly by the extent to which the baby finds fulfillment of his basic needs — food, elimination, and loving care. (H-C)

One reel, 11 minutes
Rental, \$2.00

BABY SITTER (YA)

Discusses the mutual problems and responsibilities of the baby sitter and the parent who employs her, as well as the important skills and knowledge which the sitter should have. The film's story is built around the experiences of Mary Gibson, a teen-age girl, on her first visit to the Browns' home where she spends the evening with Baby (age one) and Sue (age four). Presents most of the important problems which any sitter, boy or girl or adult, would encounter in such a situation.

One reel (800 feet), 16 minutes
Rental, \$3.00

**BACKGROUND FOR LITERATURE —
THE LADY OF THE LAKE (C)**

Sir Walter Scott's poem comes to life. In providing a brief background of the author's life, in giving visual meaning to the poem's vocabulary by showing the actual background in Scotland that is its setting, this picture teaches the concept that literature has its roots in actual places, people, and events. (J-H)

One reel, 10 minutes
Rental, \$2.00

BACKWARD CIVILIZATION (EB)

A survey of the life among the Berbers of North Africa, a typical instance of the persistence of old isolated types of civilizations. Every significant aspect of the daily life of these people is shown. Their crude handicrafts, their primitive agricultural methods, their customs and superstitions, form a background for contrast with contemporary life in machine age. (J-II-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

BADMINTON FUNDAMENTALS (C)

Fundamental skills and rules of badminton are demonstrated in this film by both expert and novice players. How to serve, the forehand and backhand shots, and other important playing techniques are shown providing a valuable guide for better understanding and enjoyment of this popular game. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

BAKING INDUSTRY, THE (VGF)

One of a series for use in presenting the facts about an occupation for vocational guidance. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

BALL HANDLING IN BASKETBALL (EB)

Presents fundamentals of stance, grip, feel in practice and game situations. See Defensive Footwork in Basketball and Shooting in Basketball. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

BALL HANDLING IN FOOTBALL (EB)

Stance, grip, fingertip control, receiving and throwing in slow motion and animation. See Blocking in Football and Tackling in Football. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

BAND TECHNIQUE: BAND ATTENTION (CFS)

Presents opening rehearsals of marching band season. Twenty-five per cent of this group are new members, consequently, the problems faced by every director at the beginning of the season are depicted. Special emphasis is placed upon fundamentals of posture, stride, and dressing. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.50

BAND TECHNIQUES: BAND ON THE MARCH (CFS)

Continuation of Band Attention . . . step by step development of teaching techniques in getting a band ready for the first game with fundamental maneuvers and a short routine . . . variations of fundamental maneuvers and the basic to the rear . . . added emphasis upon uniformity of posture, stride, dressing, and swing of hands. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.50

BAND TECHNIQUES: BATON DIRECTING (CFS)

Presented with the distinct purpose of training student directors, and making those who follow the baton more conscious and understanding of the director's gestures. The full meaning of the conductor's gestures is brought out. Each movement of the baton is carefully explained. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.50

BAND TECHNIQUES: BATON TWIRLING (CFS)

Mary Evelyn Thurmon, champion twirler, exhibitionist and well known teacher, makes twirling easy exactly as she does in her class teaching. All of the standard contest rudiments are included, plus a special routine. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.50

BAND TECHNIQUES: DRUM MAJOR (CFS)

Wallace Pearson, drum major of the Sexton Band, presents fundamental signals plus signals for special maneuvers. Mr. Pearson has often been described as the "perfect drum major" and is perhaps the most photographed drum major in the land. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.50

BAND TECHNIQUES: MANEUVERS FOR FIELD AND STREET (CFS)

Presents new and novel marching maneuvers built upon the techniques explained in the three preceding films. Obliques, and short obliques . . . diminish files . . . telescope . . . singlefile reverse . . . odd files reverse . . . right flanks reverse . . . salute . . . bomb-shell . . . T formation. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.50

BAND TECHNIQUES: MILITARY MANEUVERS (CFS)

In addition to regulation maneuvers, this film presents a variation of them . . . many new and involved maneuvers being presented. Again, they are presented exactly as they are developed in this band . . . flank, boxflank, diminish ranks, divided reverse, split fours, box counter march, box turn and variations. Included is a typical routine used at half time. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.50

BANKS AND CREDIT (C)

Students are shown the ways in which money is put to work by commercial banks. We see how credit is created, transferred, how it serves everyone, and how deposits—both time and demand—help supply the funds which enable the bank to fulfill its credit function. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

BARBER OF SEVILLE (OF)

The comic opera by Rossini wherein the Count of Almaviva falls in love with the young and beautiful Rossina. All is not well for the lovers however, because Rossina is kept under strictest observation by her old guardian, Bartolo, who is also enamoured of her. The Count enlists the aid of one Figaro (the Barber of Seville), who doubles in brass for nearly every trade known to man. Figaro's humorous machinations unite the two lovers and foil the designs of the old guardian. The continuity of this opera by Rossini is carried by a narrative background and highlights of the music are sung by singers of the La Scala opera company in Milan. Tito Gobbi sings the role of the barber.

One reel (1200 feet), 25 minutes
Rental, \$3.50

BASEBALL TODAY (OSFS)

The rules of baseball are explained and clearly illustrated in this comprehensive review of the game. Many of the "delicate" situations of umpiring are screened and the audience asked to rule on them. (H-C-A)

One reel (1200 feet), 33 minutes
Rental, \$1.50

BASIC COURT PROCEDURES (C)

Here is an exciting story in which two high school students learn from a practicing lawyer the function of the courts and how our law operates. In the development of a "criminal case," many specialized legal terms are clearly defined and the audience sees the roles played by the various courtroom figures. The film teaches not only the function of courts, but the place of the judicial system in a democracy. The dual purpose of courts in America is established in this unique blend of interest and instruction. (J-H-C)

One reel (800 feet), 15 minutes
Rental, \$3.00

BASIC FIBERS IN CLOTH (C)

Develops a particularly realistic motivated interest in the basic materials from which cloth is made. Other titles in this series are What Is Cloth; Wool; and Yarn and Cloth Construction. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

BASIC TYPING — MACHINE METHODS (UW)

Demonstrates the correct posture for typing and proper fingering of the keys; shows the use of the shift key, back spacer, tabulator, carriage return lever, etc. on both manual and electric machines; and discusses the function of various fixtures on the machines. Correct insertion of single sheets and a carbon pack is also demonstrated together with the use of the paper release and carriage release levers. (H-C)

One reel (1200 feet), 30 minutes
Rental, \$2.50

BASIC TYPING — MACHINE OPERATION (UW)

The principal parts of a typewriter are pointed out, and their function and use are discussed and demonstrated on different machines, together with the correct touch for noiseless, manual, and electric machines. (H-C)

One reel (1200 feet), 30 minutes
Rental, \$2.50

BASKETBALL BY THE CODE (IHSA)

Transposes the rules of the game from the printed page to motion picture sequences. It is designed to be of service to officials, coaches, and players. It will assist

students and fans to acquire a knowledge of the rules of the games and an appreciation of the niceties of "inside information." (Available only to I.H.S.A. members.) (H)

One reel (1200 feet), 30 minutes
Rental, \$1.50

BASKETBALL FOR GIRLS — FUNDAMENTAL TECHNIQUES (C)

Combining fast action and slow motion photography, skillful players, and sound basketball know-how, this film demonstrates fundamental techniques of ball-handling, passing, and shooting. It emphasizes the value of practice and importance of individual skill to team success. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

BASKETBALL FOR GIRLS — GAME PLAY (C)

The finer points for the sport are demonstrated here. Individual player techniques in offense and defense are shown . . . pivoting, feinting, passing, screening, shooting, handling rebounds. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

BASKETBALL IS FUN (BFS)

Designed to introduce basketball to beginning students in the upper elementary and junior high school grades. Using a playing situation, the elements of the game are presented simply, clearly, and in nontechnical language. (I-J)

One reel (800 feet), 15 minutes
Rental, \$3.50

BASKETBALL THRILLS OF 1948 (OF)

Close-ups of the nation's top teams competing in the National Invitation Tournament, and the foremost collegiate teams' battle for the crown in the N.C.A.A. finals. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

BASKETBALL TODAY (IHSA)

Facts and interpretations of the high school game. (Available only to I.H.S.A. members.) (H)

One reel (1200 feet), 30 minutes
Rental, \$1.50

BASKETBALL UP-TO-DATE (IHSA)

Rules interpretation and illustration. (Illinois High School Ass'n films which may be sent only to I.H.S.A. members.) (H)

One reel (1200 feet), 30 minutes
Rental, \$1.50

BATHING THE PATIENT (USN)

The procedure for making a neat bed with minimum disturbance to the patient is shown. The proper

method of washing the patient with as much comfort as possible is also demonstrated. (C)

One reel (800 feet), 20 minutes
Rental, \$2.00

BATTING FUNDAMENTALS (C)

The batter's average depends on how well he has mastered the fundamentals of selecting the right bat, using the correct grip, taking a proper stance, keeping his eye on the ball, using a level swing into the ball, and finishing with a complete follow-through. These points and the exercises by which they are mastered are brought to light by top form professionals. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

BATTLE FOR FRANCE (UW)

Dramatic evacuation of burning Dunkerque by 300,000 British troops after Belgian collapse. French tanks, planes, infantry and artillery in fierce action, defending rear as main armies retreat. Paris bombed before surrender. Maginot Line abandoned. Petain Premier. Paris occupied. (H-C)

One reel, 10 minutes
Rental, \$2.00

BATTLE FOR OIL (EFLA)

Is based on captured German war films, Allied newsreels, and original documentary material. Some important generalizations expressed in this film are that oil is the most important of the natural resources in the present war, that each day of warfare means the consumption of vast quantities of oil products, that oil resources are being pooled among nations, that transportation is the most critical problem to the Allied Nations in drawing upon their huge oil supplies, and that the increased demand for gasoline and oil products is leading to the exploitation of new oil reservoirs.

One reel (800 feet), 15 minutes
Rental, \$2.50

BATTLE OF BRITAIN (OWI)

An animated drawing of the German Swastika spreading from the heart of Berlin to the English Channel is the symbolic opening of this film. Animated scenes depict the plan for conquest. Meanwhile, Britain was preparing. She organized her home guard, strengthened her defenses, went into her mines, her shipyards, and worked fifty, sixty, and seventy hours a week. A series of montage scenes reveal Hitler's desperate attempts to smash the spirit of the British by leveling their cities with incendiary bombs, and by launching constant night attacks. A final sequence consists of scenes of the RAF and of Winston Churchill and depicts how the British Royal Air Forces had saved the Allies a year for preparation against the enemy. (H-C)

Two reels (1200 feet each), 54 minutes
Rental, \$3.50

BATTLING BRUCELLOSIS (USDA)

"Brucella abortus" is the name of a germ. Its attack on cattle is brucellosis, sometimes called contagious abortion. Undulant fever in humans comes from the use of milk from infected cows. The film emphasizes three control steps. Animated diagrams portray the route by which the germs attack their victims. (Color) (H-C)

One reel (800 feet), 20 minutes
Rental, \$5.00

BEACH AND SEA ANIMALS (EB)

Among the animals brought to the screen are the starfish, sea-urchin, crab, cuttlefish, octopus, crayfish, lobster, shrimp, snail, scallop, and the sea cucumber. The physical structure and activities of these animals are presented in an intimate way. The balance in nature or interrelations of various animals is clearly illustrated, special emphasis being placed on their methods of protection. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

BEAN STALK JACK (UW)

Animated cartoon of Mother Hubbard's nursery rhyme. (P)

One reel, 11 minutes
Rental, \$2.00

BEAR AND ITS RELATIVES (C)

Bears of all kinds plus Mei-Mei, the panda. (P-I)

One reel (800 feet), 20 minutes
Rental, \$3.00

BEATTY'S ANIMAL THRILLS (UW)

Clyde Beatty, acclaimed the greatest wild animal trainer, is shown in one of his thrilling performances. He defies the fang and claw of vicious lions and treacherous tigers, all in one arena. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

BETTER BEETLES (EB)

In this biological science picture, the complete life histories of the tiger, ladybird, and Japanese beetles are vividly revealed on the screen. Many rarely observed events in their lives are presented; some comic, some tragic. The economic relation of beetles to man is definitely brought out. Picture and narrative demonstrate how some beetles have been pressed into the service of man, while others are harmful and must be destroyed through ceaseless warfare carried on by man. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

BEFORE THE ALARM (NBFU)

Illustrates the work of fire prevention engineers and how they help save lives and money. (J-H-C)

One reel, 10 minutes
Handling charge, \$1.00

BEFORE THE DOCTOR COMES — ARM FRACTURES (ARC)

Shows how to apply Murray-Jones improvised splints and transporting victims. Explanation is given on tying traction bands and making improvised arm splints. Transportation showing three, six and eight man carry and transportation with blankets and regulation stretchers is also shown. (J-H-C)

One reel, 11 minutes
Rental, \$2.50

BEFORE THE DOCTOR COMES — ARTIFICIAL RESPIRATION (ARC)

Rhythm, rate of artificial respiration, change-over, adjusting pressure to age of victim, and position of hands and wrists are clearly shown. Tannic acid and baking soda are materials to be applied to burns. Light, extensive and chemical burns are discussed. (J-H-C)

One reel, 11 minutes
Rental, \$2.50

BEFORE THE DOCTOR COMES — HOW TO CONTROL BLEEDING (ARC)

A chart of the arteries, drawn on a man's body, makes the major pressure points unforgettable as they are shown in the film. A demonstration on control of bleeding is also given. In the care of shock, methods of keeping the victim warm, when to give stimulants, and position of the victim are illustrated. (J-H-C)

One reel, 11 minutes
Rental, \$2.50

BEFORE THE DOCTOR COMES — LEG FRACTURES (ARC)

How to apply half-ring, improvised splints is illustrated by animated diagrams of traction applied, adjusting half-ring splint, support of leg during traction, bandaging of leg fractures, cradle hitches, when to release manual traction, what to use for improvised splints, and keeping the leg elevated. (J-H-C)

One reel, 11 minutes
Rental, \$2.50

BEGINNING OR THE END

(TFC, Restricted to Classroom Use)

A classroom version of MGM's feature picture. The main concern and the most dramatic item is the atomic bomb. Opening scenes show some early experiments with nuclear chain reaction. Some work at Oak Ridge, the exciting and terrifying Los Alamos bomb test and last dropping on Hiroshima. (H-C-A)

One reel (1200 feet), 30 minutes
Rental, \$4.00

BEGINNING RESPONSIBILITY: TAKING CARE OF THINGS (C)

The need for a persuasive means of interesting children in the importance of taking care of their belong-

ings. Explains how and why children should care for things at school and at home, stressing the importance of having definite places to keep things, putting articles back where they belong, cleaning up after playtime and storing and handling things properly to prevent accidents or damage. (P-A)

One reel, 11 minutes
Rental, \$2.00

BEGINNING TENNIS (BFS)

A high school boy is introduced to the rudiments of tennis as Bill Tilden assists him in learning how to shake hands with the racket. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

BEGINNING TUMBLING (C)

Illustrates the proper methods of executing the following tumbling stunts; forward roll, dive to forward roll, 3-man sideward roll, backward roll, double roll, tip-up, hand stand, head stand, forearm and head stand, hand walk, cartwheel, round-off and combinations. (See Advanced Tumbling.) (J-H-C)

One reel, 11 minutes
Rental, \$2.00

BEHIND THE CUP (FSSF)

Scenes starting with the growth of coffee in San Salvador to the finished product in the testing kitchen where proper method of coffee making is described include: setting out of seeds in nursery; picking of coffee cherries five years after the seeds are planted; transportation to the mills; explanation of bean; cross section of cherry; processes of cleaning and drying; soaking; roasting for testing; processes in the plant, blending, roasting, and grinding, vacuum packing; and the correct procedures in making good coffee. (Color) (J-H-C)

One reel (1600 feet), 45 minutes
Handling charge, \$3.00

BEHIND THE GUNS (CFC)

The general theme of this film is the attack of the craftsmen at home. Scenes show the making and testing of Bren guns, big cannon, tanks, airplanes, and ships. Many factory scenes. The use of dramatic closeup shots of the workers' faces helps to build a powerful documentary film. Unusual background music helps to build up proper moods. (J-H-C)

One reel (800 feet), 19 minutes
Rental, \$2.50

BEHIND THE SHOP DRAWING (JH)

After a series of pictures to show the importance of shop drawings, the narrator discusses perspective drawing with moving pictures illustrating the points made. The method of making the drawing is shown step by step, pictured by animated lines, arrows and

transparent paper so that the reason for each line can be easily understood. Drawings of more complicated objects are explained, as are the dimension figures and lines. Scale drawings are shown. The picture finishes with a section devoted to blueprints. (H-C)

One reel (800 feet), 22 minutes
Rental, \$2.50

BEHIND THE WHEEL (GM)

Compares driving with sports in which you must learn rules and regulations. Illustrates the starting, shifting, backing, stopping and parking of a car (J-H)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

BELA HORIZONTE (OIAA)

This is the story of Brazil's "planned city with a plan." Bela Horizonte, a city of over two hundred thousand inhabitants, is unique in that less than fifty years ago, before a single house or street was built, complete plans for its building were drawn up. Now it is one of the most progressive and modern cities in the world and is located in a section rich in mineral resources. (I-J-H-C)

One reel (800 feet), 17 minutes
Handling charge, \$1.50

BELLS OF HOLLAND (FON)

Shows the entire process of making bells from the drafting board to the finished product. Animated sequences give a comprehensive idea of the skill and time required to make a bell of true tone. The manufacturing of the set of bells recently installed in St. Martin's Church in New York City is featured. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

BELLUM PUNICUM SECUNDUM (LF)

Interesting experiment. Filmed in Latin dialogue to show that spoken Latin is far from a dead language.

One reel, 11 minutes
Rental, \$2.50

BENEATH OUR FEET

(TFC, Restricted to Classroom Use)

Glimpses of the insect world which exists in the grass are here seen. We see an ant drinking a dew drop. Rival male crickets fight, the victor courting the female. A cricket "sings" by moving its wings.

The grotesque heads of the wolf spiders are shown in detail. A sand cricket struggles with a trap-door spider, then with a centipede whose poisonous bite kills him. There are shots of aphids, being eaten by ladybird larvae, and of bees on flowers. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

BENEATH THE SEA

(TFC, Restricted to Classroom Use)

The tentacles of a gillyfish and the flower-like sea anemone move rhythmically with the motion of the water. Barnacles, sea urchins, sea cucumber, starfish are engaged in seeking food, while a hermit crab inspects and finally crawls into a new shell abode. Animated diagrams are used to indicate the development of a fish; microphotographs show us the maturation of a fish egg and the circulation of blood in a fish embryo. A shark and octopus engage in battle, the octopus discharging an inky fluid which serves him as a sort of smoke screen. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

BENEFITS OF LOOKING AHEAD (C)

A sound understanding of the importance of thinking seriously about the future and *doing* something about it is developed. By encouraging students to look ahead to the kind of life they will want, the film helps them think constructively about immediate problems and work to obtain that life. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

BENJAMIN FRANKLIN (EB)

Produced with Carl Van Doren as collaborator, the film portrays highlights in rich, full life of Benjamin Franklin, statesman, man of letters, and scientist-inventor. Depicts early struggles as an apprentice, later successes as publisher and author, experiments in science, growing ability as statesman and diplomat, and experiences as American representative to England and France. Also dramatizes several historical events with which Franklin was closely associated. (J-H)

One reel (800 feet), 20 minutes
Rental, \$3.25

BETTER FARM HOMES WITH CONCRETE

(PCA)

Shows the many ways concrete and concrete products can be used advantageously in building and remodeling farm homes. (Color) (H-C-A)

One reel (800 feet), 20 minutes
No charge

BETTER USE OF LEISURE TIME (C)

There are many leisure time activities open to young people that are both interesting and educational. This film serves as a helpful guide in developing a constructive attitude about leisure time. It shows how time can be used best through a self-planned program of leisure time activities. (J-H-A)

One reel, 11 minutes
Rental, \$2.00

BEVEL PROTRACTOR, THE (USOE)

Shows the principles of the vernier bevel protractor; how to set and read the bevel protractor; and how to use the protractor to lay out angular work and check angles. (H-C)

One reel (800 feet), 15 minutes
Rental, \$2.50

BICYCLE SAFETY (YA)

Points out that bicycling is fun, but that it entails certain responsibilities on the part of the bicyclist: to maintain the bike in good mechanical condition, to obey traffic rules, and to help guard the safety of others. Illustrates how a proper mechanical inspection of the bike is carried out and what important accessories it should have. Demonstrates rules of the road and safety practice. (J-J)

One reel, 11 minutes
Rental, \$2.00

BICYCLING WITH COMPLETE SAFETY (BIA)

This film is devoted entirely to fundamentals of safety as related to bicycling. The illustrations used are well filmed. Included are details of inspection and licensing of bicycles. (I-J-H)

One reel, 11 minutes
Handling charge, \$1.00

BIG HARVEST (FI)

The theme of this film is the contribution that the farmer has made to the development of America. Through the farmer's ability to increase his production, to use the aids which science and industry have made available to him, and to carry out a program of conservation, America has prospered. (J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

BIG LEAGUE BASEBALL (BFS)

This film stresses the need for teamwork and perfect coordination in baseball. Some of the outstanding stars of yesterday, including Gabby Hartnett, Dizzy Dean, Carl Hubble, and Bill Lee, are shown as they performed in their respective positions. (General)

One reel, 11 minutes
Rental, \$2.50

BIOGRAPHY OF A FISH (SF)

Depicts the extraordinary story of the male stickleback fish, and his life as father and part-time "mother." Actually filmed under water. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

BIOGRAPHY OF THE MOTION PICTURE CAMERA, THE (AFF)

An argument concerning the movement of a horse while galloping resulted in the taking of a series of

photographs at intervals along a path of gallop. That was the first attempt at motion pictures, although the pictures were all on different plates. The problem arose as to what could be done to put all the photographs on one continuous film so they could be shown and seen as if the object photographed were actually moving. The film deals with the invention of a camera to take motion pictures and brings in the work of Edison and others who led the way to modern motion pictures. (General)

One reel (800 feet), 20 minutes
Rental, \$2.50

BIRD MIGRATION (HNP)

Presents many kinds of birds and shows the various journeys they make to their summer and winter homes. The Ice Age theory of bird migration is illustrated. (Color) (I-J-H)

One reel, 10 minutes
Rental, \$3.25

BIRDS ARE INTERESTING (EB)

Presents some of the basic biological concepts concerning birds. Provides a systematic analysis of birds by classifying them under three categories—swimming and wading birds, birds of prey, and perching birds. Contrasts such features as bills, feet and wings to characterize each type. Among the birds in the film are the canary, domestic chicken, duck, emu, godwit, goldfish, hawk, owl, pelican, penguin, and others. (Color) (I-J-C-A)

One reel, 10 minutes
Rental, \$3.00

BIRDS IN WINTER (C)

An excellent color film showing a seasonal aspect of bird life, as compared with study by nesting habits or life cycle. Winter residents shown include chickadee, nuthatch, junco, cardinal, English sparrow, starling, and the zebra, downy and hairy woodpeckers. (General) (Color)

One reel, 11 minutes
Rental, \$3.00

BIRDS OF PREY (EB)

Several common species belonging to the group of birds of prey are presented in this film. Among them are the turkey vulture, black vulture, marsh hawk, red-tailed hawk, rough-legged hawk, bald eagle, sparrow hawk, barn owl, screech owl, great horned owl, and snowy owl. These birds are shown in their natural habitats, and pursuing their characteristic activities. Typical calls and sounds characteristic of the birds are presented as the occasion demands. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

BIRDS OF THE COUNTRYSIDE (C)

Vivid shots in color of indigo bunting, meadowlark, nighthawk, red-tailed hawk, kingbird and killdeer. (Color) (I-J-H-C)

One reel, 11 minutes
Rental, \$3.00

BIRDS OF THE DOORYARD (C)

Revealing scenes in color of the robin, white throated sparrow, bronzed grackle, wren, yellow warbler, and purple martin. (Color) (I-J-H-C)

One reel, 11 minutes
Rental, \$3.00

BIRDS OF THE INLAND WATERWAYS (C)

Colorful sequences of a belted kingfisher, blue heron, black-crowned night heron, green heron, glossy ibis, avocet, red-backed sandpiper, Canada goose and lesser scaup duck. (Color) (I-J-H-C)

One reel, 11 minutes
Rental, \$3.00

BIRDS OF THE MARSHES (C)

Unusual camera views of the red-winged blackbird, least bittern, marsh wren, sora rail and the pie-billed grebe in their natural surroundings. (Color) (I-J-H-C)

One reel, 10 minutes
Rental, \$3.00

BIRDS OF THE WOODLANDS (C)

Brilliant color scenes of the female redstart, purple finch, oven-bird, flicker, and the black-billed cuckoo. (Color) (I-J-H-C)

One reel, 10 minutes
Rental, \$3.00

BIRTH OF A VOLCANO (SF)

This is the story of the new volcano in Mexico — Paracutin. It amounts to an early life history of the phenomenon in all its amazing violence. (General)

One reel, 10 minutes
Rental, \$2.00

BIRTH OF AN OIL FIELD (SOC)

Shows how an oil well is drilled and how crude oil is brought up from the ground and started on its way to the refinery. Pictures the erection of a derrick, describes the operation of equipment by drilling crews, follows the drill-bit as it makes its way thru various geological strata, and tells how chemically treated mud is an invaluable aid to drillers. Depicts the natural forces that make oil flow, and shows how artificial methods are employed to lift oil from the ground when natural forces decline. Animation with models reveals what is taking place below the surface of the ground. (Color) (H-C-A)

One reel (1200 feet), 33 minutes
Handling charge, \$1.00

BIRTH OF THE SOIL (EB)

Explains with scientific accuracy the story of how nature produced our life-giving topsoil from the basic raw materials of rock, air, and sunlight. In magnificent color photography it shows how rock is reduced to silt, which eventually combines with organic matter to form humus. In animation the film portrays the first four links in the "chain of life": nature's raw materials, the sun's energy, the chlorophyll in plants, and the living topsoil. For other films in this series see Arteries of Life. (Color) (J-H)

One reel, 11 minutes
Rental, \$3.00

BIRTHPLACE OF AMERICA (16mmP)

Shows points of interest and birthplaces in England of America's great men and their ancestors. Included are such famed names as George Washington, Abraham Lincoln, Benjamin Franklin, the Pilgrim fathers, John Cabot, William Penn, Lord Baltimore, John Harvard, William Brewster, William Bradford and John Robinson. (J-H-C)

One reel, 11 minutes
Rental, \$2.50

BLACK BEAR TWINS (EB)

Portrays the experiences of a family of campers in observing a pair of small, hungry, and mischievous twin bears. The bears play with a blanket and ball; raid a wild-bee hive; nurse their stings in a mud puddle; then go for a swim in an adjoining lake. (P-I)

One reel, 11 minutes
Rental, \$2.00

BLESSINGS OF GRASS (USDA)

Discusses the problem of range management. The opening sequence shows a dramatization of the conflict between the early stockmen and the rangemen. A United States ranger explains the work that is being done. There are shots of cattle-branding, inoculation, drives to the National parks and forests, storing of hay for the winter and return of the cattle in the fall. (H-C)

One reel (700 feet), 20 minutes
Rental, \$2.50

BLOCK THAT TERMITE (USDA)

The first sequences show the habits and habitat of the underground termite. These scenes are followed by others which show by photography and animation methods to be observed in constructing buildings to protect them from infestation and procedure to follow to prevent further damage after buildings are attacked. (General)

One reel (800 feet), 20 minutes
Rental, \$2.50

BLOCKING IN FOOTBALL (EB)

Position, speed, drive, timing and body control are illustrated in a variety of ways. (See Ball Handling in Football and Tackling in Football.) (J-H-C)

One reel, 10 minutes
Rental, \$2.50

BLUEBIRD (HNP)

A story of a pair of bluebirds' summer visit in the North. Compete with wren and starling for nesting site. Includes five species of woodpeckers. (Color) (I-J-H)

One reel, 10 minutes
Rental, \$3.00

BOAT TRIP, A (EB)

On taking a boat trip from Albany, down the Hudson River to New York, Nancy and Roger have many exciting adventures. Between seeing the sights along the shore, inspecting the different parts of their boat, and observing the different types of boats which ply the river, their time is fully occupied. A landing at a river town, the approach to New York City and the many wonders of its harbor are climaxed by seeing a great ocean liner, assisted from its dock by tugboats to begin its journey across the Atlantic. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

BOB MARSHALL COMES HOME (USDA)

Story of a veteran and how he finally gets power from the REA. (General)

One reel (800 feet), 20 minutes
Rental, \$2.00

BOBOLINK AND BLUEJAY (C)

Intimate family views in color of both birds. (Color) (I-J-H-C)

One reel, 10 minutes
Rental, \$3.00

BODY CARE AND GROOMING (McGH)

Develops the theme that good grooming starts with personal care, and describes some recommended daily habits that can help everyone to make the most of what nature has provided. Throughout the film there is continuous emphasis on the social advantages of a clean, healthy appearance. Other titles in the health series are Body Fights Bacteria; Emotional Health; Human Reproduction; and Nose, Throat, Ears. (J-H-C)

One reel (800 feet), 17 minutes
Rental, \$3.00

BODY DEFENSES AGAINST DISEASE (EB)

An exposition of the three lines of defense — the skin, phagocytic cells and lymphatics, and the blood, including a section on immunology. Spectacular microphotography of phagocytosis is shown along with ap-

plications of the defense mechanism in specific cases. The action of liver and spleen together with types of antibodies and their effects are dealt with. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

BODY FIGHTS BACTERIA, THE (McGH)

The story of the never-ending battle between disease-producing organisms and the human body. Various types of these organisms, such as bacilli, cocci, and spirochetes, are shown to be plentiful and dangerous. This film then describes the various counterbalances which mankind uses in combating these bacterial invaders. For other titles in this series see Body Care and Grooming. (J-H-C)

One reel (800 feet), 17 minutes
Rental, \$3.00

BOMBER, THE (Castle)

Shows the manufacture of the Martin B-26 medium bomber and suggests its speed and power as a combat plane. (J-H-C-A)

One reel, 10 minutes
Rental, \$1.00

BONNIE SCOTLAND, THE

(TFC, Restricted to Classroom Use)

Opens with countryside scenes and close-ups of Scotland's famous heather. Then Abbotsford, the home of Scott. Near-by are the ruins of Dryburgh Abbey, where Scott is buried and his monument in Edinburgh.

We have a view of Edinburgh Castle, where Mary, Queen of Scots, reigned. Next is the palace at Linlithgow where she was born, ancient Hollyrood Abbey where she married Bothwell, and the Royal Mile between Hollyrood and Edinburgh Castle. The famous Scotch landmarks included are the home of John Knox near Edinburgh, the humble little house at Dunfermline in which Andrew Carnegie was born, the town of St. Andrews, known as the ancestral home of golf and Ayr, the home of Robert Burns. Finally, we see views of Tam O'Shanter Inn, his favorite haunt. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

BOOKKEEPING AND ACCOUNTING (VGF)

Job opportunities, training and examples of the work done are illustrated in this guidance film. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

BOOKKEEPING AND YOU (C)

This film serves in three ways: to motivate study; as an aid to educational guidance; and as an aid to vocational guidance. (J-H)

One reel, 11 minutes
Rental, \$2.00

BOOKS (ICS)

This film shows origins of books and writing, primitive drawings, hieroglyphics, early inscriptions, etc. Then through the writings of Greece we come to Shakespeare, the Bible, and modern books. To make modern methods of book production more interesting, the rest of the film is built around an imaginary author and his book. The book is first seen in manuscript and then the film follows it through every stage of publication until it finally appears in the bookstalls and is reviewed in the press. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

BORAX FROM DESERT TO FARM (API)

Shows scenes in the California desert where borax is found and produced and the importance of boron in agriculture, including boron deficiency symptoms on olives, celery, cauliflower, crimson clover, alfalfa, sweet potatoes, table beets, sugar beets, radishes, and apples. (Color) (H-C-A)

One reel (800 feet), 25 minutes
Postage

BORN TO DIE

(TFC, Restricted to Classroom Use)

This film introduces the dwellers on the sea bottom. An octopus enters an empty shell. A plumed worm expands its tentacles until it looks like a dahlia. Another strange worm, which appears to be half bat and half mouse, undulates across the screen. Beautiful hydroids, like creatures of spun glass, sway and bow in the ocean currents. A sea urchin, looking like an animated pin cushion, crawls into view. Its eggs, enormously magnified, go through cleavage up to 16 and 32 cell stages.

Then there are snails and their eggs which hatch into ciliated, free-swimming forms. A mother octopus guards her masses of grape-like eggs, stirring them frequently with her tentacles. Her relative, the common squid, lays its eggs in long rows of jelly. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

BORROWING IN SUBTRACTION

(TFC, Restricted to Classroom Use)

This film shows a wholesome attitude toward problem-solving in general. It explains the step-by-step borrowing process involved in subtracting from a three-place number. (I)

One reel (800 feet), 15 minutes
Rental, \$3.00

BOSS DIDN'T SAY GOOD MORNING

(TFC, Restricted to Classroom Use)

The psychological effect a boss' failure to say good morning has on an employee. Recommended for discussion for social studies in the junior and senior high

school, and for elementary school use in connection with the parent-child relationships. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.50

BOSTON TEA PARTY

(TFC, Restricted to Classroom Use)

The statues and places commemorating the period in American history between 1775 and 1807 including the Virginia House of Burgesses, the Liberty Bell, Concord Bridge, the village green at Lexington Common, Fort Amherst, Crown Point, Fort Ticonderoga, Plaque of Putnam, Bunker Hill monument, statue of William Hale, monuments commemorating the Battles of Trenton and Saratoga, John Paul Jones trophy, Independence Hall, and the house of Betsy Ross are shown. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

BOUNDARY LINES (IFF)

A plea to eliminate the arbitrary boundary lines which divide people from each other as individuals and as nations, invisible boundary lines of color, origin, wealth and religion. The film is composed of animated paintings, moving lines, realistic and abstract symbols; the music is an integral part of the drama. (Color) (H-C)

One reel, 10 minutes
Rental, \$3.25

BOUNTEOUS EARTH, THE (OIAA)

Views the dances accompanying the blessings of the animals on Candlemas Day in the City of Cholula (City of Churches). The violent rites at Tlocotalapan, where a young bull is set at large to be baited by the entire community is shown. (H-C)

One reel, 11 minutes
Handling charge, \$1.50

BOWLING ACES (SF)

Watch the top-notch bowlers in action. They have perfect form from the first step through the time that the ball smacks down the pins. Closeups and slow motion photography reveal the finer points of bowling. As an added feature the expert demonstrates several trick shots. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

BOY IN COURT (NPC)

Tells the story of a boy who chooses the wrong crowd and gets caught while attempting to steal an automobile. It shows the way the probation association changes his outlook on life and makes a good citizen of him. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

BOY WHO SAVED A NATION

See

LAFAYETTE, CHAMPION OF LIBERTY**BRASS CHOIR, THE (EB)**

The brass instruments are presented in this film as one of the orchestra's chief sources of power. There is, of course, a contrasting element in the French horns. A leading objective is to demonstrate this function by the group in full orchestral setting. A second objective is to show each brass instrument in solo passage, with ample opportunities, through sound track and unique camera angles, to study tone qualities, construction and techniques of playing. Masterpieces presented are Beethoven's Fifth Symphony, Mendelssohn's Midsummer Night's Dream Nocturne, and the finale of Wagner's Tannhauser Overture. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

BRAZIL (EB)

Provides a geographical orientation to Brazil's vast extent, its regional contrasts, and its coast cities, before concentrating on the coffee-growing area. A land owner, an agent, and a family of pickers are seen in their relationships to a large coffee plantation, with its varied crops, its mixture of immigrant people, its educational and religious activities. Film personnel and incorporated dialog reveal Brazil as a predominantly Portuguese country. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

BRAZIL (MOT)

The tremendous advances that have been made as a result of emergency wartime projects is shown. Climax of the picture foreshadows the flourishing prospects for future trade between the U. S. and its big friend in South America. (J-H-C)

One reel (800 feet), 13 minutes
Rental, \$2.25

BRAZIL AT WAR (OWI)

Shows the vast resources of Brazil, now a member of the United Nations, which are turned to war against the Axis. It is narrated by Edward Tomlinson. (H-C)

One reel, 11 minutes
Handling charge, \$1.50

BRAZIL GETS THE NEWS (OIAA)

The activities of the editorial and technical departments of a great modern newspaper in Sao Paulo are presented. (I-J-H-C)

One reel, 11 minutes
Handling charge, \$1.50

BRAZIL, SOUTH AMERICAN MEDLEY (OIAA)

Rio de Janeiro, one of the most magnificent cities of the western hemisphere, is shown; also Sao Paulo,

world's greatest coffee port; venom being extracted from snakes for use in serum, and some scenes up the Amazon river, one of the world's great unexplored regions. (H-C-A)

One reel, 11 minutes
Rental, \$1.50

BRAZILIAN QUARTZ GOES TO WAR (OIAA)

A pictorial report on the mining of quartz in Brazil and the part that this great Brazilian resource is playing in winning the war. (J-H-C)

One reel, 10 minutes
Handling charge, \$1.50

BREAD (EB)

Processing of wheat from farm to the loaf on the dinner table is presented. (P-I-J)

One reel, 10 minutes
Rental, \$2.00

BRIAR ROSE (ASF)

Presents the well-remembered tale of "Sleeping Beauty." An angry fairy avenges herself by dooming the princess to death at seventeen. Other fairies change the fatal spell to a century of sleep. The entire court slumbers through a century until the prince awakens Briar Rose with a kiss. (P-I)

One reel, 11 minutes
Rental, \$3.50

BRICK AND STONE MASON (VGF)

Guidance film which discusses educational requirements, working conditions and possibilities of advancement. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

BRICK PAVEMENTS (USDA)

Scenes in this film include modern paving equipment, making cement, construction of the base, brick-laying and filling the spaces between the bricks. Closing scenes show the finished pavement. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$1.00

BRITAIN AND HER EMPIRE (MOT)

After a brief pictorial "refresher" on Britain's wartime role, the March of Time depicts England's current struggle to restore herself to strength and prosperity. Housing and health, social security and education are covered in relation to the efforts of the British people to build for themselves a post-war society more stable and more equitable than any they have ever known. (J-H-C)

One reel (800 feet), 17 minutes
Rental, \$2.50

BRITISH ISLES (EB)

Provides a graphic survey of the area including England, Ireland, Scotland, and Wales. Surveys representative aspects of British life and explains how the region has developed as one of the world's most important industrial and commercial centers. Interprets, with animated drawings, the geographical factors that have influenced the development, and emphasizes Britain's interdependence with the rest of the world. (I-J-H)

One reel, 10 minutes
Rental, \$2.00

BROAD JUMP (C)

Pointers on how to add inches to the jump by proper exercise and how to handle the body during the jump are stressed. The film also covers the hop, step, and jump. Precautions to prevent injury to the athlete in this strenuous event are emphasized throughout the film. (J-H-C)

One reel, 10 minutes
Rental, \$2.25

**BROADER CONCEPT OF METHOD, PART I:
DEVELOPING PUPIL INTEREST (McGH)**

Presents a frank picture of the conventional teacher-dominated lesson-hearing type of recitation and shows typical effects of this method on student attitudes, responses and learning. Other titles in the teacher-training series are Broader Concept, Part II; Learning to Understand Children, Part I and II; and Maintaining Classroom Discipline. (C)

One reel (800 feet), 13 minutes
Rental, \$3.00

**BROADER CONCEPT OF METHOD, PART II:
TEACHER AND PUPILS WORKING
TOGETHER (McGH)**

Students are shown learning to work together, to organize themselves into functional groups, to make and carry out plans for investigations, and to present their findings and recommendations in a group report. For other titles in this series see Broader Concept of Method, Part I. (C)

One reel (800 feet), 19 minutes
Rental, \$3.00

BRUSH TECHNIQUES (EB)

Reveals how watercolor art can communicate the vivid impression of a landscape. The film is photographed as if through the eye of the artist, Eliot O'Hara, one of America's leading watercolorists, and one of this medium's most successful teachers. (Color) (I-J-H-C)

One reel, 11 minutes
Rental, \$3.00

BUENOS AIRES AND MONTEVIDEO (OIAA)

Many aspects of life in the Argentine capital and glimpses of Uruguay's chief city and its gay carnivals are vividly described. (Color) (I-J-H)

One reel, 11 minutes
Handling charge, \$1.50

BUENOS DIAS, CARMELITA (COB)

Tells the charming story of pretty Carmelita and her fellow students. The vocabulary, which emphasizes the number and the clock phrases, consists of one hundred and fifty words of the Kenniston merit lists. It will be easily understood by the second year student. The narration is carefully and distinctly spoken by a native. The object of this unit is to set astir a desire to use the language and thus to stimulate more purposeful study. (H-C)

One reel (800 feet), 20 minutes
Rental, \$2.50

BUILD YOUR VOCABULARY (C)

The film portrays a vocabulary failure and shows how it is turned into a success. Mr. Thompson, who finds himself at a loss for words at a Civic Association meeting, takes a cue from his son, Roger, and embarks upon a systematic campaign of vocabulary improvement. Proven methods of vocabulary-building are demonstrated while the film establishes the need for a well-rounded vocabulary. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

BUILDING AMERICA'S HOUSES (EB)

Analyzes reasons for high building costs and examines ways in which costs can be reduced. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

BUILDING A HIGHWAY (EB)

Skillfully demonstrates major steps in the construction of a modern, two-lane highway. Illustrates such processes as clearing, cutting, scraping, and leveling the roadbed; assembling materials; mixing and dumping the concrete; and smoothing and finishing the surface. Finally reveals the completed highway open to traffic. Emphasizes the necessary skills involved in providing well-built, safe highways for automotive traffic. (P-I)

One reel, 10 minutes
Rental, \$2.00

BUILDING A HOUSE (EB)

It clearly portrays the basic, step-by-step processes in the construction of a low cost, wood-framed, one-family home. (P-I)

One reel, 11 minutes
Rental, \$2.00

BUILDING AN OUTLINE (C)

Teaches students that clear thinking, economical expenditure of time, and effective communication with others are the result of orderly planning, and that outlining is merely the writing down of this organization. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

BUILDING LOW COST CONCRETE FLUME FOR EROSION CONTROL (PCA)

Shows approved soil conservation practices and step-by-step construction of the flume for gully control. (H-C-A)

One reel, 11 minutes
No charge

BUILDING THE PANAMA CANAL (KB)

Begins with historic scenes of the actual building of the canal. It shows the uniting of the Pacific and Atlantic Oceans and how the locks operate. In conclusion a trip through the canal is pictured. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

BUILDING TYPING SKILL (C)

In order to type faster one must master relaxation, precise operative control, attention to the copy, control of arms and hands, and confidence in his own performance at top speeds. The slow motion camera catches the details of skill-building exercises. (H-C)

One reel, 11 minutes
Rental, \$2.00

BUILDING WITH CONCRETE MASONRY (PCA)

Shows details of how to build farm buildings with concrete blocks and the many farm buildings adapted to this type of material. (Color) (H-C-A)

One reel (800 feet), 20 minutes
No charge

BUS DRIVER (EB)

Work of long distance bus drivers is dramatized in a story of cross-country trip made by small boy. Duties of driver are depicted in scenes of driving. Attention is given to safety precautions. Bus terminal and service garage are pictured. (P-I)

One reel, 10 minutes
Rental, \$2.00

BUSHLAND REVELS (ANIB)

Shows the Australian Lyre bird, one of the unusual inhabitants of the Australian bush. It was photographed in Sherbrooke Forest, a wild life sanctuary located near Melbourne. The main part of the film is composed of miscellaneous views of the bird, its nest, and its young. A six-weeks-old chick is shown, and its progress to the point where it is left to fend for itself is briefly

explained. The bird's gorgeous plumed tail is shown. The male bird's "revels"—a part of the courting process—concludes the film, with a direct recording of his song in which the calls of many other birds are imitated. (P-I-J-H)

One reel, 11 minutes
Rental, \$1.50

BUTTERFLIES (EB)

Illustrates the complete life history of the cabbage butterfly and the swallow-tail butterfly with their different characteristics and habits, including their role in nature, that of aiding in the cross-fertilization of flowers. Time-lapse photography is employed to show in a few seconds processes which require an hour or more. The destructiveness of the cabbage butterfly, as well as its unusual control by a natural enemy, is dramatically depicted. (I-C)

One reel, 11 minutes
Rental, \$2.00

BUTTERFLY BOTANISTS (C)

An excellent color film which treats the following concepts: (1) Life history of a typical butterfly—Monarch; (2) Dependence of larvae on food plant; (3) Stages of development of various species, stressing methods of hibernating; and (4) The economic importance of butterflies. (Color) (I-J-H)

One reel, 11 minutes
Rental, \$3.00

CADET CHAMPIONS

(TFC, Restricted to Classroom Use)

Cadet Champions first shows West Point from across the Hudson River. The cadets then are seen in uniform on the parade grounds, which is followed by parading in their various athletic uniforms. Military precision is adhered to, even during the various activities in the gymnasium, which includes the use of Indian clubs, horses and the parallel bars. Fencing is obligatory, to foster grace and coordination, Group shadow boxing is seen and the various feints and blocks are practiced. Cross-country riding includes passage of difficult water and rock terrain, as well as over barriers. A game of lacrosse is pictured. The final sequence shows an Army football team in action. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

CADET CLASSIFICATION (OWI)

Only men in top physical condition are selected, and every precaution is taken to make the best crews of pilots, navigators and bombardiers ever assembled. The procedures shown are those of one particular school. Each man is carefully chosen and placed in his job. (H-C)

One reel (800 feet), 19 minutes
Handling charge, \$1.50

CAISSONS GO ROLLING ALONG, THE (OWI)

Robert Weede sings this well-known song of the Field Artillery. Scenes of the Field Artillery in action make a stirring background.

One reel, 4 minutes
Handling charge, 50 cents

CAJUNS OF THE TECHE (QUAINT FOLKS)
(TFC, Restricted to Classroom Use)

A travelogue of the Bayou Teche country of Louisiana populated by the descendants of the French Acadians of Nova Scotia made famous by Longfellow's poem "Evangeline." The bayous and rivers where boats supply the means of transportation, the fishing industry, farming, various types of dwellings and homes, beautiful countryside, customs of the Cajuns and some typical villages are shown in this film. (I-J-H)

One reel, 10 minutes
Rental, \$2.50

CALLS THAT CURE (OWI)

The sick and wounded men in Halloran Army Hospital have been furnished with the latest in telephone facilities. This film shows how every provision has been made to make the telephone within the reach of all. Especially stressed is the tremendous curative power that results when the wounded and sick are able to get in touch with their families. (J-H-C)

One reel, 12 minutes
Handling charge, \$1.00

CAMOUFLAGE IN NATURE THROUGH FORM AND COLOR MATCHING (C)

Shows how animals, birds and fish protect themselves from their natural enemies by a disguised appearance. Thirty-two species are shown. (Color) (I-J-H-C)

One reel, 10 minutes
Rental, \$3.00

CAMOUFLAGE IN NATURE BY PATTERN MATCHING (C)

Shows how birds, animals, insects, fish, reptiles, and amphibians depend upon the camouflage of pattern to protect them from their enemies. (Color) (I-J-H-C)

One reel, 8 minutes
Rental, \$3.00

CAMPING WITH THE TROOP (BSA)

How a troop planned and carried out its yearly outdoor program under the leadership of its scoutmaster. Scenes include fall, winter, and spring hikes with father and son participating. It describes the long and careful preparation needed for a troop going to summer camp. Choosing of camp site, checking equip-

ment, setting up tents in the patrol method of "learning by doing" is also shown. (I-J-H)

One reel, 10 minutes
Rental, \$2.00

CAMPUS ON THE MARCH (OWI)

A two reel picture showing the wartime activities in American colleges.

One reel (800 feet), 22 minutes
Handling charge, \$2.00

CANADA (FF)

Canada is shown from the geographical and historical standpoints concurrently. The film also shows the swift industrialization during the war years, the vast agricultural and industrial strengths that are Canada's. (J-H-C)

One reel, 11 minutes
Rental, \$2.25

CANADA'S NEW FARMLANDS — ALBERTA PEACE RIVER DISTRICT (UW)

The principles which govern the development of new frontiers are clearly set forth in this picture. We observe Roy and Einar Grimsrud, two young Norwegians, who fought in the Canadian Army, begin the development of their new lands. Clearing the land, planting crops and taking part in the life of the new community, these young men are typical of the people who push the boundaries of our civilization ever outward to new frontiers. Contrasted to the life of the Grimsrud boys, the film presents the more settled life in the growing town and on the farm of Mr. and Mrs. Watson, two of the earlier settlers. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

CANADIAN CRUISE (NFBC)

An American family cruise in their 40 foot boat from Rochester through the Rideau Canal System to Montreal. They go across the lake to Kingston, pass along the Cataraqui River, negotiate locks, through lovely scenery and finally down the Ottawa River. (General)

One reel (800 feet), 14 minutes
Handling charge, \$1.00

CANADIAN LANDSCAPE (NFBC)

Canada's painter, A. Y. Jackson, interprets the Canadian scene in this color film. In the brilliant autumn hills of northern Ontario he chooses a theme and builds a sketch. In spring he catches April sun on the snow in old Quebec. Jackson's studio technique is shown and some of his canvasses reproduced. (Color) (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.50

CANCER, THE TRAITOR WITHIN (ACS)

The symptoms of cancer and rules for preventive precautions shown. Animation makes the film message clear and effective. Here is a sane warning to all on prevention of this disease which takes one life every three minutes. (Color) (J-H-C-A)

One reel, 10 minutes
Handling charge, \$1.00

CANDLE MAKING (AB)

The art of candle making by a pioneer family is portrayed in this film. The entire process of candle making is presented step by step with each member of the family having particular tasks to do. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

CANINE EYES FOR THE BLIND (HFE)

A magnificent story of the "Seeing Eye" dogs who provide a new way of life for hundreds of blind people. In this picture we follow a group of month-old puppies through every step of their training until they are accepted as leaders of the blind, and are given a blind master. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

CANOE COUNTRY (NFBC)

An American family discovers the adventurous holiday to be had in Canada's northland. The Watsons — Dad, Mickey and Virginia — of Cincinnati travel by canoe along the old fur trade route from Missinabi. Fishing, of course, is an important part of a trip like this — and apart from the sport fresh pike or pickerel tastes so good to appetites sharpened by the pine-scented air. Glimpses of wild-life; tips on making a portage and on setting up camp in the bush are among the sequences in the film, which stresses this northern country's fine satisfaction for all who have an appetite for the out-of-doors. (Color) (General)

One reel (800 feet), 13 minutes
Handling charge, \$1.00

CAPITALISM (C)

Capitalism is the subject of a Radio Forum to be presented by "Western" High School. The students have become so interested in the subject that they hold a lively discussion even before they go on the air. The widely divergent ideas of every stratum of society are heard. The film introduces basic concepts of the capitalistic system and shows its superiority. (H-C)

One reel, 10 minutes
Rental, \$2.00

CAPTAIN BROWN, HARBOR PILOT (F)

Story of the harbor pilots who meet the ships and steer them safely to their docks. During low visibility, ships must wait until it is safe for them to come

into the harbor. Pilots use modern equipment to aid the ships, such as the lighting equipment at the harbor entrance. Several large harbors are shown, each with its own special navigational problems. Captain Brown, a former ship captain, works with the ships to bring the tugboats alongside, and navigate it. Bob Gaffner goes along with Captain Brown to the ship. A freighter that tried to dock without a pilot is shown as it rammed its stern into the wharf. (Color) (J-H)

One reel, 11 minutes
Rental, \$3.00

CAPTAIN KIDD'S TREASURE

(TFC, Restricted to Classroom Use)

Conflicting theories in regard to Captain Kidd's treasure are here illustrated.

We see Kidd in prison in 1701 under sentence of death. He writes a letter to the authorities promising to lead them to his treasure if, in return, they will spare his life. He is hanged, however, and the contents of his letter made public. Men are still searching in vain for the treasure.

Three present-day business men are discussing a plan for finding the Kidd gold. One of them says his information will take them to a small island off the coast of Madagascar. A dramatization of the story he tells shows the pirate and his band attacking a ship, finding a treasure chest, burying it. Kidd shoots the two men who know the hiding place, but draws a crude map of the location. The business man claims to have this map.

Another of the three men conjectures that Kidd was not a pirate, but had been commissioned by the King of England, and that his crew mutinied and seized the chest. (I-J-H)

One reel, 10 minutes
Rental, \$2.50

CARAVANS OF TRADE (FI)

The basic theme of this film is that the world has been made small through knowledge — knowledge which has come from man's use and invention of fast and safe means of transportation under the impetus of trade. (J-H)

One reel (800 feet), 22 minutes
Rental, \$2.50

CARBON AND ITS COMPOUNDS (C)

A diamond . . . a pencil . . . and a chunk of charcoal. Beginning with these familiar objects, the film explains carbon's simple compounds and introduces hydrocarbons and the more complex chain and ring compounds. It teaches appreciation and understanding of the tremendous importance of carbon in our domestic and industrial worlds. (H-C)

One reel, 10 minutes
Rental, \$2.00

CARE OF ART MATERIALS (YA)

An all-animation film designed to promote greater interest and care in the handling of art materials. Discusses care and use of such common tools as brushes, paints, chalk and crayons, scissors, paste and glue, and clay. (P-I)

One reel, 11 minutes
Rental, \$2.00

CARE OF CHILDREN OF WORKING MOTHERS (OWI)

Depicts a typical day in a nursery school. Helen Hayes, as commentator, emphasizes the advantages which the nursery school offers for the care of children of working mothers—safe and wholesome fun, wise guidance in the art of learning to do for one's self and in helping others, a well-planned daily program including indoor and outdoor play, nourishing food, rest periods and health supervision. It shows working mothers what a child care center is and how it operates. (H-C)

One reel (800 feet), 22 minutes
Handling charge, \$2.00

CARE OF PETS (EB)

The proper care of various household pets is dramatized in this film. In delightful home scenes, pupils may see other children enjoying their little friends and providing for their needs. Bob demonstrated that a boy can attend to the special requirements of strange tropical fish. The sleek coat and good manners of Tippy, the cat, are indicative of the care and kindness of his mistress. This is more than an authentic and enchanting study of the care of pets. It is an experience in worthy home membership. (P-I-J)

One reel, 10 minutes
Rental, \$2.00

CARE OF THE FEET, THE (EB)

Emphasizes the extreme importance of good foot care and points out the tragic results of ill-fitting shoes. Diagrams shown of the bones and muscles of the feet serve to simplify and make plain the reasons why great care should be used in selecting good shoes and in exercising the feet to make them strong. (J-H-C)

One reel, 12 minutes
Rental, \$2.00

CARE OF THE SKIN (EB)

Demonstrates the good habits of skin hygiene which every child should form. Portrays three attractive children as they prepare for bed, showing the proper way to wash hands and face, to clean the nails, and to bathe. Common skin ailments are illustrated. Animated drawings describe the structure of the skin and explain why soap is necessary for cleanliness. (P-I)

One reel, 11 minutes
Rental, \$2.00

CAREERS FOR GIRLS (MOT)

Covers the amazing variety of fields now open to women. Also points out the relationships between a girl's everyday interests and the type of work that she might do successfully. (J-H)

One reel (800 feet), 18 minutes
Rental, \$3.00

CASE OF THE TREMENDOUS TRIFLE (OWI)

Importance of small parts in war presented in story form. (General)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

CATALYSIS (EB)

Provides explanations of several phenomena associated with catalysis, among them, concentration by absorption, activation by absorption, intermediate compounds in a homogeneous mixture, chain reactions, breaking of reaction chains, poisoning of catalysts, and negative catalysts or inhibitors. The practical examples used as a basis for some of the explanations are rubber and anti-knock gasoline. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

CATCHING FUNDAMENTALS (C)

Here's big leaguer Mike Tresh to demonstrate good catching. He shows such fundamentals as how to crouch and signal, how to throw the ball, how to catch the pitch, field fouls, back up first base, etc. He demonstrates the skill and strategy that can make a catcher the team's most valuable player. (See Batting Fundamentals) (J-H-C)

One reel, 11 minutes
Rental, \$2.00

CATCHING IN BASEBALL (EB)

Provides for vitalized instruction in one of the most important phases of the great American sport. Professional baseball players perform the demonstrations; and slow-motion, stop-motion, and close-up photography clarify maneuvers too rapid or too distant for study in normal action. Techniques for three types of catches are analyzed: catching the thrown ball, catching the high-batted ball, and catching the ground ball. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

CATTLE AND THE CORN BELT—MIDWEST, U.S.A. (UW)

In this film, we learn how the people who live and work on the vast areas of level land which constitute our midwestern plains produce large quantities of food for the peoples of the world and feed for livestock. In the western part, where the rainfall is lighter and less dependable, the grasslands are used for grazing livestock which are later shipped eastward to the

moister section of the Central States commonly referred to as the Corn Belt. Here a mixed type of agriculture is dominant. Cattle and hogs are fattened for market on the corn and other crops raised on the farm. As a result of these agricultural activities, the Central States have millions of people and many large cities. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$3.00

CATTLE DRIVE (EB)

Here is an account of a cattle drive in the Southwest, portraying the movement of cattle from the range to the shipping point. The cattle drive is an important aspect of cattle raising and of similar importance in providing us with food. The cowboy at work and at rest becomes part of the great saga of Western cattle in the film. (Color) (P-I)

One reel, 11 minutes
Rental, \$3.00

CATTLEMAN, THE (EB)

Life on a cattle ranch in a typical setting is shown by this production. The activities of the family and its hired helpers are portrayed in realistic detail. Mealtime, repairing fences, herding cattle, marketing experiences, shoeing and breaking horses, rounding up, dipping and shipping cattle are among the colorful scenes presented. Cowboy songs sung around the campfire during the roundup provide a rich atmospheric setting. (I-J)

One reel, 11 minutes
Rental, \$2.00

CAUSE FOR ALARM (NSC)

Gives a step-by-step description of what to do in case of fire; explains the difference between class A, class B and class C fires; pictures the most common type of fire extinguishers, telling how to use each and what type of extinguisher to use for each type of fire. (C-A)

One reel, 11 minutes
Rental, \$2.00

CAUSES AND IMMEDIATE EFFECTS OF THE FIRST WORLD WAR, THE (IG)

In a completely unbiased manner the film tells the story of the first world war, starting in 1879 with Bismarck's formation of the Triple Alliance, and continuing through the Treaties of Versailles, St. Germaine, Neuilly, Trianon, and Lausanne. The subject is of particular interest and significance in these times of international stress and strain. (H-C)

One reel (800 feet), 20 minutes
Rental, \$3.50

CELESTIAL NAVIGATION — CHART (USN)

Pictures, maps, diagram, and a sound commentary are used in this film to explain Mercator charts,

gnomonic projections, and Lambert conformal projections. It is a highly technical treatment. (H-C)

One reel (800 feet), 20 minutes
Rental, \$2.00

CELESTIAL NAVIGATION — THE EARTH (USN)

Explains in a non-technical way the positions and significance of the lines of latitude and longitude on the earth. (J-H-C)

One reel (800 feet), 16 minutes
Rental, \$2.50

CELESTIAL NAVIGATION: INTERPRETATIONS OF BEARINGS, LINES OF POSITION AND FIXES (USAF)

Defines bearing, line of position, circle of equal altitude, fix and intercept, plotting of assumed position and intercept. (C)

One reel (800 feet), 19 minutes
Rental, \$2.50

CELESTIAL NAVIGATION: LATITUDE OF POLARIS (USAF)

Shows relationship between latitude and elevated pole, position and diurnal path of Polaris and reduction of elevated pole. (C)

One reel, 11 minutes
Rental, \$2.00

CELESTIAL NAVIGATION: NAUTICAL ASTRONOMY (USN)

Animation is used to show how the celestial coordinates are placed in relation to the earth. Describes declination, zenith point, nadir line, and the June and September solstices. (C)

One reel (800 feet), 22 minutes
Rental, \$1.50

CELESTIAL NAVIGATION: POSITION FINDING ON THE EARTH (USAF)

Discusses geographical position. Greenwich hour angle, local hour angle, relationship of hour angle to longitude, zenith distance and its relationship to altitude, circle of position, line of position, fix, relation of assumed to actual position, and intercept. (C)

One reel (800 feet), 15 minutes
Rental, \$2.50

CELESTIAL NAVIGATION: POSITIONS ON THE CELESTIAL SPHERE (USAF)

Provides an introduction to celestial navigation, illustrates the relation between earth, solar system, and celestial sphere. (C)

One reel (800 feet), 20 minutes
Rental, \$2.50

CELESTIAL NAVIGATION: SOLUTIONS OF ILLUSTRATIVE PROBLEMS (USAF)

Preflight computations and procedures in making a typical flight celestial navigation. Shows use of the sextant in shooting the stars, and plotting fixes by means of the H.O.-218, and the star altitude curve methods. (C)

One reel (1200 feet), 32 minutes
Rental, \$2.50

CELESTIAL NAVIGATION: TIME (USAF)

Explains various time elements in celestial navigation which are used in solving practical exercises. (C)

One reel, 11 minutes
Rental, \$2.00

CELL — STRUCTURAL UNIT OF LIFE, THE (C)

Here, through microphotography, the living, simple cell is authentically presented. Students actually see the moving, living protoplasm in a leaf cell, see amoeba taking food, growing, dividing, becoming familiar with the functional differences in cell structure. This vivid film teaches the basic relationship of our own living bodies to other living organisms in the world. (I-J-H)

One reel, 10 minutes
Rental, \$2.00

CELLS AND FUNCTIONS (ATH)

Shows biological study of growth and behavior of cells and tissues through the technique of tissue culture. Depicts unusual scenes showing proliferation and growth of cardiac tissue, as well as connective tissue and nerve tissue. Excellent laboratory aid in the teaching of Biology. (J-H-C)

One reel (800 feet), 14 minutes
Rental, \$3.00

CELLULOID COLLEGE (SF)

Ten lessons in basic movie-making techniques are given for the amateur. A dummy camera is employed to demonstrate the ABC's of camera technique including: panning, using the tripod, shot break-down, screen direction, matching action, newsreel procedure, build-up, composition, indoor lighting, and applied techniques. (H-C-A)

One reel (1200 feet), 30 minutes
Rental, \$3.50

CENTRAL AMERICA (EB)

Authentic documentary material concerning the geography and climate of Central America and the story of its peoples and their present-day activities is presented in this film. An animation sequence orients Central America as the western part of the Caribbean Region, and sketches the political history from the time of Columbus to the present. Photographic sequences depict the types of people and economic activities of

the region, including agriculture, manufacturing, commerce, and transportation. The economic interdependence of Central America with other parts of the world, including its imports and exports, is shown upon an animated map background. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

CENTRE, THE (BIS)

The Pioneer Health Centre at Peckham, England, was started before the war by private initiative and funds. It is designed and equipped as a club where the whole family can go to enjoy their leisure hours. Uniquely, the Centre is a study in social biology, for the directors and staff are biologists who study the patterns of family behavior and their results. (C-A)

One reel (1200 feet), 22 minutes
Rental, \$3.00

CHALLENGE: SCIENCE AGAINST CANCER (NFBC)

Provides information about the progress that has been made in cancer research. Has as a secondary purpose the recruitment of high school and college students into scientific work. (H-C-A)

One reel (1200 feet), 33 minutes
Rental, \$3.00

CHAMPIONSHIP BASKETBALL (OF)

Most teams are familiar with the ordinary principles of basketball, but here the more precise defensive and offensive methods of play are described under the expert supervision of Nat Holman. Nat Holman explains the advantages and the disadvantages of both the man-to-man and the zone types of defense, and how a team might be lured from their defending positions. He also shows how a team might combine the two types of defense; thereby providing the best possible defense. Various methods of returning the ball after a goal has been scored are also demonstrated. (J-H-C)

One reel, 10 minutes
Rental, \$2.50

CHAMPIONSHIP FORM (SF)

The film takes several phases of Olympic competition and compares them so far as body movement and form are concerned. It shows that perfect body coordination and grace of movement are essential to championship athletic standards. Great Olympic stars are shown in action.

One reel, 10 minutes
Rental, \$2.00

CHANGING COTTON BELT — SOUTHEAST, U.S.A. (UW)

This film lesson shows that the Southeastern United States is an area with many natural resources. We learn that the possibilities for agricultural and industrial

production are tremendous. However, much land has been destroyed through wasteful farming practices. Through the untiring efforts of the County Agents, the education of the younger generation of farmers, and adherence to the tenets of the Conservation Policy, the people of the Southeast are shown rebuilding the land. The introduction and growth of new industries is also seen to be producing a new era of development for this area. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$3.00

CHANTS POPULAIRES #1 (WG)

The French-Canadian folk songs in this film are sung by the Alouette Quartet in French and are combined with animated cartoons. The compositions played are "En roulant ma boule" and "A la claire fontaine." (H-C)

One reel, 9 minutes
Rental, \$2.00

CHANTS POPULAIRES #2 (WG)

The French-Canadian folk songs in this film are sung by the Alouette Quartet in French and are combined with animated cartoons. The compositions are "Envoyons d' l'avant nos gens" and "Aupres de ma blonde." (H-C)

One reel, 9 minutes
Rental, \$2.00

CHARLES DICKENS: BACKGROUND FOR HIS WORKS (C)

Filed in the England which Charles Dickens described so well, it offers information, clues to interpretation, and a rich sense of the significance and range of the writings, as well as a genuine interest in reading the works of Dickens. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

CHEESE AND CHEESE MAKING (Kruse)

The process of cheese making is traced from beginning to end in this color film. The methods of making American, Cheddar, Italian and Swiss cheeses are shown from the heating of the milk to removal from the smoking and aging rooms. (Color) (I-J-H-A)

One reel, 11 minutes
Rental, \$3.00

CHEMISTRY IN A CHANGING WORLD (EB)

Directs attention to the significant role which chemistry plays in our modern world. Traces the steps leading up to the production of electric furnace phosphorus. Portrayals of the work of research chemists and chemical engineers from the inception of the idea to the multiple uses of the completed product provide stimulating vocational information. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

CHILD CARE AND DEVELOPMENT

See

CHILD DEVELOPMENT: CHILD CARE AND DEVELOPMENT

CHILD DEVELOPMENT: CHILD CARE AND DEVELOPMENT (McGH)

Considers the daily physical care that ensures a happy, healthy child. Correct attitudes and procedures toward establishing good habits of eating, sleeping and bathing are covered. Discusses the elements of good diet, proper clothing and outdoor exercise for the young child. (C-A)

One reel (800 feet), 17 minutes
Rental, \$4.00

CHILD DEVELOPMENT: CHILDREN'S EMOTIONS (McGH)

Discusses through short dramatic illustrations the development and guidance of children's emotions at various age levels up to ten years. The commentator explains that the very young child's emotions, while intense, are changeable and harmless because they are completely expressed. Emotions treated in detail are curiosity, common annoyances of babyhood and childhood, jealousy and happiness. (C-A)

One reel (800 feet), 22 minutes
Rental, \$4.00

CHILD DEVELOPMENT: HEREDITY AND PRE-NATAL DEVELOPMENT (McGH)

Picturization of growth, subdivision and eventual union of male and female sex cells. Explanation of chromosomes and genes in determining sex and in transmitting physical and mental characteristics. Describes the fertilization of the ovum by the sperm cell and traces the development of the fetus until delivery. Close connection between physical and emotional sensitivity in very young children is shown. (C-A)

One reel (800 feet), 21 minutes
Rental, \$4.00

CHILD DEVELOPMENT: PRINCIPLES OF DEVELOPMENT (McGH)

Outlines the fundamentals of growth and change from early infancy and develops basic principles. After defining the principles of development, the film considers the variables which make each child different from every other one: intelligence, sex, glandular activity, race, health, etc. All these factors must be brought into balance for the fullest development of his personality. (C-A)

One reel (800 feet), 17 minutes
Rental, \$4.00

CHILD DEVELOPMENT: SOCIAL DEVELOPMENT (McGH)

Analysis of social behavior at different age levels and the reasons underlying the changes in behavior

patterns as the child develops. Points out development from the stage where the sexes and ages mix indiscriminately to the point where children begin to pick members of their own sex as playmates, to seek out the natural leader for their groups. Stresses the point that while the child must meet and solve each problem as he reaches that level of development, wise guidance can make the adjustment easier and smoother. (C-A)

One reel (800 feet), 16 minutes
Rental, \$4.00

CHILDREN IN TROUBLE (NYSYC)

No child is born a delinquent, and none needs become one. The film shows, though a child's outside environment is important, his life at home really determines the course he is to follow. In every city, the problem of juvenile delinquency arises, and it is the duty of communities to sponsor programs for a realistic approach to the problem. The main influences in the life of children are the home, the church, community recreation, the police, and the school. In the film, it is seen how all five are used to combat juvenile delinquency. (General)

One reel, 10 minutes
Rental, \$2.00

CHILDREN OF CHINA (EB)

Reproduces episodes from the home, school and play life of children in a representative village deep in the interior of China. Different types of family relationships are observed. School training in loyalty to parents, together with home and community customs, reflect the influence of Chinese tradition on contemporary life. Recreational activities are shown, and Chinese dialog is reproduced and interpreted in several sequences. (P-I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

CHILDREN OF HOLLAND (EB)

Scenes in the film include home and school life, and a horse and cart trip to a typical Dutch town provide captivating glimpses of rural and urban Holland. Handicraft, hobby and recreational activities, and interpreted native conversations are included. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

CHILDREN OF JAPAN (EB)

The film presents events in the daily life of a middle-class Japanese family. Their home surroundings, living and sleeping quarters, furnishings, dress, customs, and manners are depicted along with school and play experiences of the children and routine tasks of the parents. Following a visit to a nearby shrine, the family is studied at their evening meal and making preparations for bed. Conversations are reproduced throughout. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

CHILDREN OF SWITZERLAND (EB)

A railway train makes a long steep climb to a village in the Swiss Alps. On the village street we find Trudi and her brother Hans. With Trudi and Hans we enter a village woodcarver's shop and see carvings of cattle and examine clocks of all shapes and sizes. The brother and sister make preparations for a trip far up the mountain side. On the trip up they pass the family vegetable garden and along the path lined with flowers which leads to the summer pasture. As they rest before the last climb they view the snow-covered Alps. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

CHILDREN OF THE ALPS (EB)

Portrays the life of a Swiss boy and girl whose family gain a frugal living in their mountain land. Cutting timber, carrying out household tasks, going to school, woodworking, sleigh rides and ice hockey, skiing and other athletic pursuits are shown. Accompanied by musical score composed by Walter Baumgartner. (I-J)

One reel, 11 minutes
Rental, \$2.50

CHILDREN OF THE CITY (BIS)

The film was made in Scotland primarily for use in Britain, and sets out to indicate, in human terms, the British approach and the working of the juvenile courts by following through with the story of three youths who presented a problem for juvenile court action. (J-H-C)

One reel (1200 feet), 30 minutes
Rental, \$3.00

CHILDREN'S CHARTER (BIS)

The Education Act of 1944 gives every English child the right of free education up to and including high school standards and the opportunity for further training if desired. New schools are being established everywhere to fill these requirements—technical schools, agricultural schools, and young people's colleges which cater to those up to eighteen who have already taken jobs. (General)

One reel (800 feet), 17 minutes
Rental, \$2.50

CHILDREN'S EMOTIONS

See

CHILD DEVELOPMENT: CHILDREN'S EMOTIONS

CHILE (EB)

Calls attention to varied aspects of the Chilean scene—mountains, deserts, glaciers, mines, ports, and pastoral areas—before proceeding to an estate in the agricultural Central Valley. Here the role of the estate is seen in relation to the visiting owner and his family, the farming population, and the Chilean agriculture

generally. On the family's return to Santiago, varied aspects of Chile's capital city are featured—especially its role as an educational center. Spanish dialog is extensively employed throughout. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

CHILEAN HACIENDA (HFE)

Describes in detail the hacienda system under which Chile, basically an agricultural nation, administers much of her farm land. It shows the living and working conditions of both the owners and the worker, the principal products raised and the manner of harvesting. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

CHILEAN NITRATE (HFE)

An accurate record of today's natural nitrate industry, starting with the discovery of the world's only known natural nitrate beds, going on to describe the use of nitrate today in fertilizer and explosives, and explaining in detail the modern method of mining and refining nitrate. It shows the effect nitrate had in giving Chile its financial start toward becoming one of South America's leaders. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

CHILE'S COPPER (HFE)

Begins by explaining copper's extensive use by man today, and is valuable for its simple and clear explanations of the mining and refining processes. It describes in detail the lives of the workmen and their families who live in Chuquicamata, a city built solely for the purpose of mining and refining copper. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

CHIMP'S VACATION (UW)

The Chimp goes to Florida for health and fun and gets plenty of both in a mischief-filled movie. He makes merry with cocoanuts, a bicycle, a turtle and a little girl. The story ends in a riot of fun, with a cloud of feathers and a vacuum cleaner. (P-I)

One reel, 11 minutes
Rental, \$1.50

CHINA (MOT)

Shows China's old way of life, little changed since medieval times; the beginnings of democracy and westernization under Dr. Sun Yat-sen; the long years of bitter struggle against Japanese aggression and tyranny; and then, China today. (J-H-C-A)

One reel (800 feet), 18 minutes
Rental, \$2.50

CHINA CLAY (BIS)

Britain's second largest export of raw material is china clay, and two-thirds of the total yield is sent to the United States. All Britain's china clay is to be found in the southwest and the film shows how it is obtained from the Trevisco pit in Cornwall. Sand is an important by-product of the clay and is put to good use in the manufacture of a new mass-produced house. (General)

One reel, 11 minutes
Rental, \$2.00

CHINA CRISIS (OWI)

Trials and successes of the 14th Air Force (Flying Tigers) in sustaining themselves inside China. (General)

One reel (1600 feet), 40 minutes
Rental, \$3.50

CHISEL (PTC)

Illustrates use and care of this tool. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

CHOOSE TO LIVE (USDA)

The film opens with a warning by Dr. Parran, Surgeon General of the United States, that cancer has been on the increase and is now second among the causes of death. Then follows the story of one woman's encounter with cancer. "Choose to Live" was produced by the American Society for the Control of Cancer and the United States Public Health Service for lay audiences. Actors in the film are professionals, musical background is by the NBC Symphony Orchestra, all laboratory and hospital scenes were shot under expert medical supervision. This film is for general educational use for information about cancer.

One reel (800 feet), 18 minutes
Rental, \$2.00

CHOOSING BOOKS TO READ (C)

The story of books—books to provide a fund of knowledge—books whose pages provoke tears or laughter—the great books of man's ideas and hopes, and the technical volumes filled with charts and diagrams—each with a message awaiting the reader. (J-H)

One reel, 11 minutes
Rental, \$2.00

CHOOSING FOR HAPPINESS

See

MARRIAGE FOR MODERNS: CHOOSING FOR HAPPINESS

CHOOSING YOUR OCCUPATION (C)

Self-appraisal, occupational possibilities, preparation requirements, and guidance facilities are a few of the

ideas perfectly integrated here for the benefit of vocational guidance classes and conferences. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

CHORDS AND TANGENTS OF CIRCLES (KB)

Deals with the theorem on a perpendicular to a chord within the circle. Summarizes types of tangents in detail. (H-C)

One reel, 11 minutes
Rental, \$2.00

CHRISTMAS CAROL

(TFC, Restricted to Classroom Use)

Abridged version of the feature film based on Dickens' story. (I-J-H)

One reel (1600 feet), 40 minutes
Rental, \$6.00 (one day)

CHRISTMAS CAROLS (Castle)

The "First Noel," "Hark, the Herald Angels Sing" and "Adeste Fideles" are sung by a choir as the words appear on the screen. (General)

One reel, 11 minutes
Rental, \$2.50 (one day)

CHRISTMAS IN SWEDEN (FON)

Christmas in Sweden starts as early as December 13th on St. Lucia Day. We visit an average Swedish family and see how they celebrate Christmas. Other scenes show the preparation of special food, open-air Christmas market, Christmas songs, and a Christmas church service. (General)

One reel (800 feet), 14 minutes
Rental, \$3.50 (one day)

CHRISTMAS RHAPSODY (UW)

A tender, simple story about a small, lonely evergreen tree, dwarfed into obscurity by its towering brothers. But a man and his two children see beauty in the small child of the forest and take it to their home where it is given a place of honor before the fireplace to stand as their Christmas tree. In the flickering light of the fire, the decorations appear to be shimmering snow flakes and slender icicles. The family sings Christmas carols for a beautiful Christmas Eve. (General)

One reel, 10 minutes
Rental, \$2.50 (one day)

CHUCKY LOU — STORY OF A WOODCHUCK (IU)

Photographed in natural settings, telling the story of a little woodchuck who is befriended by a kind woman. A special musical score enhances the simple story. (P-I-A)

One reel, 11 minutes
Rental, \$2.00

CHURCH VOCATIONS (VGF)

Points out the many and varied types of work in the modern church. The minister with his various responsibilities and duties is introduced. The home and foreign missionary work is presented, as is church secretarial and social service. Non-sectarian. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

CICADA, THE (DL)

The weird, siren-like love cry of the locust, which is called cicada, opens the film. An animated map of the United States indicates the locations of the nation's several cicada broods. Each brood appears and reappears only in its own locality. For 17 years the locusts live underground on root-sap of trees and shrubs. As the time for emergence approaches, they go nearer the earth's surface, where they dig little tubes and await the Great Day. The emerged insect is shown with its soft white body, which hardens gradually into a new black outer skeleton. The female bores holes in bark and twigs and deposits eggs. The eggs hatch and the young insect burrows into the ground for its 17-year wait. The film ends with a series of dates: 1953-1970-1987 — the years when the locusts will again emerge. (J-H-C)

One reel (1200 feet), 30 minutes
Rental, \$2.00

CIRCLE, THE (KB)

Presents geometry of the circle and introduces various aspects of circle geometry such as radii, diameters, chords, tangents, secants, arcs, and central angles. Introduces theorems and proofs. (H-C)

One reel, 11 minutes
Rental, \$2.00

CIRCUS ANIMALS (A)

Reveals in natural color, fascinating circus animals. (Color) (P-I)

One reel, 11 minutes
Rental, \$3.00

CIRCUS DAY IN OUR TOWN (EB)

Describes the excitement and drama of circus day, depicting not only the highlights of the performance itself, but many of the preparations necessary for staging the big show. How the circus unloads, how the tent city grows, and how performers make up and dress for the show are faithfully filmed. Finally a ringside view of many exciting acts is provided. (P-I)

One reel (800 feet), 20 minutes
Rental, \$3.00

CIRCUS PEOPLE (A)

An interesting film depicting behind-the-scenes circus activity. Selection of scenes and narration are designed to develop proper attitudes of work and co-

operation and offer stimulation for oral composition and foundation for reading readiness. (Color) (P-I)

One reel, 11 minutes
Rental, \$3.00

CIRCUS WAKES UP, A (SF)

Shown are early morning scenes of a circus coming to life and preparations for the big show. We see a pony getting a hair cut, elephants receiving their baths, jugglers and trapeze performers rehearsing, lions being fed, and clowns making up. (P-I)

One reel, 11 minutes
Rental, \$2.00

CITADELS OF THE MEDITERRANEAN

(TFC, Restricted to Classroom Use)

Shown here are three citadels of the Mediterranean: Gibraltar, Moorish Alhambra, and Athens.

Panoramic views of the Rock of Gibraltar and a British Crown Colony shows us gigantic fortifications and the harbor. Then, street scenes.

Alhambra on the southeast coast of Spain, former palace and fortress of Moorish kings, is next. Close-ups of the arches show the intricate design of the masonry. A panorama of the courtyard and the Hall of Ambassadors, where Isabella pledged her jewels to pay for Columbus' voyage to America are brought to view.

Views of Athens, the Acropolis with the Parthenon and Temple of Olympian Zeus close the picture. (General)

One reel, 11 minutes
Rental, \$2.00

CITIES: WHY THEY GROW (C)

A city is many things to many people. This picture is concerned with the economic factors which give rise to the growth of cities. Departing from the usual statistics and the sociological problems which are a result of cities' growth, the film teaches by letting the viewer observe what the workers of the city do. The film develops the concept of "builders" and "fillers." (J-H-C)

One reel, 10 minutes
Rental, \$2.00

CITY, THE (MMA)

An excellent documentary film of genuine sociological significance. Its emphasis is upon the undesirable living conditions in crowded cities and upon the necessity for proper planning and zoning to remold our old cities and build new communities better suited to our needs.

The film is in five sections: the New England village, the Industrial City—City of Smoke, the Metropolis—Men Into Steel, the Highway—the Endless City, and finally the Green City. (H-C)

One reel (1200 feet), 31 minutes
Rental, \$3.50

CITY FIRE FIGHTERS (C)

Designed for the elementary social studies and language arts, to show the importance of organized fire-fighting activities in a city. (P-I)

One reel, 11 minutes
Rental, \$2.00

CITY OF LITTLE MEN

(TFC, Restricted to Classroom Use)

A pictured account of the work of Father Flanagan of Boys Town.

Twenty-five years ago, in Omaha, he dreamed of being able to help boys. He assumes responsibility for three homeless boys brought before a police judge. With \$90.00 in funds, he rents a house, and soon has thirty boys in his care. A larger and better building is secured. Still without facilities for play, he determines on a place in the country, and so, twenty years ago, Boys Town came into existence.

The varied activities of the 275 inhabitants of Boys Town are pictured. A bugle call, at the raising of the flag each morning, awakens them. Dairying, farming, shoe repairing and carpentering are some of the activities—of which each boy makes his own selection. The town is largely self-supporting, through the sale of surplus commodities. (General)

One reel, 11 minutes
Rental, \$2.00

CITY OF THE SICK (NMH)

Shows life in a mental hospital by telling the story of an attendant who learns how mental patients can be restored to useful living. (H-C-A)

One reel (800 feet), 20 minutes
Rental, \$3.00

CITY OF WAX

(TFC, Restricted to Classroom Use)

The life of the honey bee, born in its natural home in a hollow tree, is shown building the comb, storing the honey, the queen laying eggs, the activities of each of the types of bees. A sequence deals with the metamorphosis of the bee from larva to young worker. Then there are the fights with robber bees, the feeding of the royal jelly to produce a new queen, the death of the old queen, the nuptial flight of the new, and the death of the drones. Close-ups are used throughout. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

CITY WATER SUPPLY (EB)

Animated drawings are used extensively to describe the relation between rainfall and life; sources of city water supply—wells, rivers, lakes, and watersheds; water-borne diseases; and methods of water distribution. Other photography depicts water tunnels and aqueducts; the dependence of cities upon an adequate

water supply; and the necessity of safeguarding its sources and distribution. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

CITY WITHIN A CITY

(TFC, Restricted to Classroom Use)

A young couple arrive at Grand Central Station bent on seeing the sights of New York. They decide on Radio City and are taken on a complete tour of Rockefeller Center. Shots of all the buildings, views from the top of the RCA Building, the Hanging Gardens, inside of NBC, Radio City Music Hall, etc., are included.

One reel, 10 minutes
Rental, \$2.00

CLASSROOM QUIZ NO. 1 (AAR)

General information about railroading is presented in an easily understood manner, and then a quiz is given over the material. (Color) (P-I)

One reel, 11 minutes
Handling charge, \$1.00

CLASSROOM QUIZ NO. 2 (AAR)

Second in the series of Railroad quizzes. Again practical information is presented and then a quiz session held. (Color) (P-I)

One reel, 11 minutes
Handling charge, \$1.00

CLAY IN ACTION (EB)

A simple, straightforward, and effective film on sculpturing a portrait in clay as demonstrated by Arturo B. Fallico, of Chicago Teachers College. Begins with the first application of clay to the armature and follows carefully through to the finished work. Emphasizes such essentials as basic measurements, simplicity of tools, creation and refining of principal planes, and the artist's individual interpretation of his subject. Interplay of camera lens between model and sculpture helps to clarify the demonstration. (J-H-A)

One reel, 11 minutes
Rental, \$2.00

CLEANLINESS AND HEALTH (C)

Students will never again believe that old saying, "A little dirt won't hurt you!" after seeing this picture. It is the story of David and his visit to a doctor, and of the lessons in cleanliness which the doctor impresses upon him. By means of microphotography, the existence of dangerous tiny organisms all around us is demonstrated, and the importance of cleanliness to good health is soundly established. (P-I)

One reel, 10 minutes
Rental, \$2.00

CLOTHING FOR CHILDREN (C)

Proper clothing for young children of various ages is described and pictured in color. (H-C)

One reel, 10 minutes
Rental, \$3.00

CLOUDS (USDC)

Valuable as a nature study film and for the study of meteorology. Various types of clouds are shown, and the movement of high and low pressure areas across the country is described. Weather forecasting as the result of cloud study is discussed. (Color)

(J-H-C-A)

One reel, 11 minutes
Handling charge, \$1.00

COAL FROM NEW ZEALAND'S ALPS (NZNFU)

The importance of coal to industry is stressed. The process of getting coal out from the mines in the New Zealand Alps is portrayed. This film makes a contribution to the understanding of how people in other lands make their living and produce essential industrial products. (I-J-H)

One reel, 9½ minutes
Rental, \$2.00

COLLECTION OF CAROLS, A (OF)

"O Come All Ye Faithful," "The First Noel," "It Came Upon a Midnight Clear," "Joy to the World," "Hark, the Herald Angels Sing" and "Silent Night" are sung by a choir as the words appear on the screen. (General)

One reel, 11 minutes
Rental, \$2.50 (one day)

COLLOIDS (EB)

The film deals primarily with a definition of the colloidal state in terms of particle size, with factors which prevent particle growth, and with some methods of coagulation of colloids. The limits of particle size are described in terms of phenomena (filtration, sedimentation, and Tyndall effect); explanations are given in terms of experimental illustrations and animation. Striking and beautiful photography are found in the Tyndall effect, Brownian movement, and the Cottrell precipitation. (H-C)

One reel, 11 minutes
Rental, \$2.00

COLOMBIA AND VENEZUELA (EB)

The human and economic geography, topography and climate of Colombia and Venezuela are described in this film. Photography shows the several types of people that live here and their work. Animated sequences locate Colombia and Venezuela as one of three parts of the Caribbean region, the others being the West Indies and Central America. Animated map drawings show the extent of Colombia-Venezuela world trade in the import and export of products. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

COLOMBIA, SOUTH AMERICAN MEDLEY (OIAA)

In this picturesque film the old port of Barranquilla and the fine old towns of Bogotá and Cartagena and Colombia's charming countryside are shown. (I-J-H-C)

One reel, 11 minutes
Handling charge, \$2.00

COLONIAL CHILDREN (EB)

This subject depicts in an authentic setting the self-sufficient home life of colonial times. It shows in detail the furnishings, clothing, customs, and events in a colonial family's day from the morning chores to the reading of the Scriptures by the fireside in the evening. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

COLONIAL EXPANSION (EB)

Portrays colonial development in America from the point of view of the influence of each of the great powers; Spanish, French and English, tracing in detail the struggle for control which finally ended with the English being almost completely supreme. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

COLONIAL WILLIAMSBURG (ICS)

The capital city of old Virginia, Williamsburg, is the only city in the United States that has completely retained or recreated its colonial style of building. Among the scenes shown are: William and Mary College, the second oldest in the country; the Raleigh Tavern; the Governor's House; the Home of Patrick Henry; and many other picturesque views of this old Colonial American city. Even the business establishments of the city adhere to the colonial trade signs. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

COLOR KEYING IN ART AND LIVING (EB)

Provides a graphic demonstration of the fact that visual impressions are relative. Stresses environment as an important factor in the choice and use of color. Points out various principles of color "deception" and shows how practical application can be made of them. Shows how color relationships are applied to art subjects and to such aspects of everyday life as hair, eyes, complexion, dress, and home decoration. A useful film wherever color is important. (Color) (J-H-C-A)

One reel, 11 minutes
Rental, \$4.00

COLORADO RIVER, THE (C)

Cutting across Colorado, Utah and Arizona, the Colorado River is unique in its lack of commercial traffic. This film contrasts the Colorado's untamed

beauty with the taming influence of its dams, which control its flow and make it the source of electric power and water for irrigation and other uses, serving modern civilization in many ways. (Color) (I-J-H-C)

One reel, 11 minutes
Rental, \$3.00

COLOUR IN CLAY (EB)

Created in a famous pottery-making section of England, this film portrays modern commercial pottery making in an authentic setting. It is designed to show the successful combination of art principles with modern technological methods. Mixing and shaping the clay, applying decoration, firing and glazing are shown with clever direction and superb photography. (Color) (J-H-A)

One reel, 11 minutes
Rental, \$3.00

COMMON ANIMALS OF THE WOODS (EB)

Pictures the squirrel, rabbit, raccoon, porcupine, otter, mink, beaver, possum, skunk, and woodchuck. In each instance the distinguishing characteristics of the animal are shown, such as the ability of the beaver to build a dam and the habit of the mother possum carrying her young on her back. (I-J)

One reel, 11 minutes
Rental, \$2.00

COMMON COLD, THE (EB)

Illustrates the facts known about the common cold, its care, and secondary infections that may grow out of it. Tells the story of a boy who contracts a cold and visits his doctor for examination and advice. Reveals, by means of the doctor's illustrated explanation, why the common cold is serious and how it should be taken care of. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

COMMUNICATIONS WESTWARD

(TFC, Restricted to Classroom Use)

An excerpt from MGM's feature film *Wells Fargo*, in which is traced the history of early communication in the opening of the Western U.S. Highlighted are the stage coach, pony express, telegraph, and railroads. (J-H)

One reel (1200 feet), 33 minutes
Rental, \$3.50

COMMUNISM (Castle)

The history of Communism, its totalitarian characteristics, and how Communists operate in the United States. (H-C-A)

One reel (1200 feet), 32 minutes
Rental, \$4.00

COMMUNITY CANNING (USOE)

How and when to pick vegetables, in this case snap beans; how to wash, snap, grade, blanch, and season

the beans; how to inspect and prepare the cans, then how to pack and exhaust them; how to label and seal the cans; how to use a pressure cooker or retort, are included in this film. (H-C)

One reel (800 feet), 17 minutes
Rental, \$2.00

CONCERT MINIATURES (SF)

Raymond Leventhal, pianist, playing three selections — Schubert's "Moment Musical," Chopin's "Nocturne in F Sharp Minor," and "Capriccio," by Dohnanyi. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

CONCRETE ON THE FARM (PCA)

Shows the many and varied uses for concrete and concrete masonry around modern farmsteads. (Color) (H-C-A)

One reel (800 feet), 20 minutes
No charge

CONGRESS, THE (MOT)

Shows the functions of the two houses of Congress — how a bill is introduced, considered and acted upon. It explains the powers peculiar to the House of Representatives. The problem of the relationship of the Congress to the Presidency and to the Supreme Court is explored. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

CONGRUENT FIGURES (C)

A demonstration of the geometric principles for finding and proving that triangles with certain combinations of equal sides and angles are equal and congruent. (H-C)

One reel, 11 minutes
Rental, \$2.00

CONQUEST (TFC, Restricted to Classroom Use)

Emphasizing character study, the classroom version of "Conquest" presents a realistic portrayal of Napoleon. The film stresses the personality of the Corsican rather than his triumphs, and provides a sensitive interpretation of his driving will to power. Vivid dramatizations show Napoleon's maneuvering in power politics as well as his efforts to regain the mastery of Europe following the retreat from Moscow and subsequent exile on Elba. (J-H-C)

One reel (800 feet), 23 minutes
Rental, \$3.00

CONQUEST OF THE NIGHT (OWI)

Night action aboard a destroyer equipped with the newest radar devices. (General)

One reel, 10 minutes
Handling charge, \$2.00

CONSERVATION OF NATURAL RESOURCES (EB)

Three natural resources hold the center of attention in this film; water power, forests, and farm lands. Early wastes in the lumbering industry and agriculture are delineated, and the appalling results are shown. This is followed by an explanation of steps which have been taken and are now being planned to conserve these resources. The effects of wind and water erosion and unwise farming are shown, scenes from the Dust Bowl, and local and federal efforts to check these abuses. There is also included a sequence on conservation and development of esthetic resources. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

CONSERVATION ROAD (FI)

The basic theme of this film is that Americans must continuously learn the need for conservation: conservation of our living resources, wildlife, forests, and agricultural lands, through maintenance and restoration of the balance of nature; conservation of our mineral resources, coal, oil, and metals, through increasing the effective use of each irreplaceable unit. (J-H)

One reel (800 feet), 22 minutes
Rental, \$2.50

CONSTRUCTION OF A LIGHT AIRPLANE (PSC)

Photographed at the Piper Aircraft Corporation in Lock Haven, Pa., the film covers quite completely the construction of four of the five major parts of the airplanes — the fuselage, the landing gear, the tail surfaces, and the wing. The construction of the fifth part, the engine, is not shown. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$2.50

CONSUMER PROTECTION (C)

Points the way to the wealth of information available to every consumer which he can use in order to gain value for his money. The haphazard buying habits of one family are contrasted with the careful purchasing of another. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

CONSUMPTION OF FOODS (EB)

Presents data on food needs and deficiencies of various groups of world peoples and related problems of food standards. (General)

One reel, 10 minutes
Rental, \$2.00

CONTACT WITH BOOKS (UI)

Instructional film on the use of a large library. Various important points on the use of library facilities

are well told in a dramatic fashion. The principal characters of the story are a senior in the College of Engineering and his roommate, a very unsophisticated freshman. Filmed on the University of Illinois Campus. (H-C)

One reel (1200 feet), 30 minutes
Rental, \$3.50

CONTROL OF BODY TEMPERATURE (EB)

By means of laboratory demonstrations, animated drawings, and special photography, phenomena associated with variations of body temperature in animals and man are shown. Foods are designated as the source of body heat, and the roles of nerves, glands, and muscles in its control are portrayed. The blood stream is depicted as the distributor of heat, and the function of the hypothalamus is compared to that of a thermostat. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

CONTROL YOUR EMOTIONS (C)

Emotional control is desired by all. The effects of uncontrolled emotions are familiar to teachers of adolescents. This film presents the essential understandings of psychology which apply to the control and direction of emotions. The language of the film is simple and direct, making the film suited to use with any group regardless of previous psychological learning. (J-H-C-A)

One reel (800 feet), 14 minutes
Rental, \$3.00

COOKING: KITCHEN SAFETY (YA)

Stresses the common safety hazards that exist in every kitchen, and illustrates specific examples of each. Discusses and demonstrates simple precautions that can be taken to prevent accidents in the kitchen. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

COOKING: MEASURING (YA)

Explains why some experienced cooks do not appear to follow precise measurements, and why most cooks, particularly those with limited experience, must be very careful in their measuring. Illustrates some of the more common measuring devices used in the kitchen, and demonstrates the correct procedures for measuring typical dry solids, liquids, and fats. (H-C)

One reel, 11 minutes
Rental, \$2.00

COOKING: PLANNING AND ORGANIZATION (YA)

Illustrates a well-ordered kitchen in which the housewife has organized the kitchen equipment and cooking utensils for greatest ease and efficiency in her work. Shows what can happen when the preparation of a meal is attempted without adequate planning, and

how such troubles can be remedied by planning and by the use of such devices as the time-chart. (H-C)

One reel, 11 minutes
Rental, \$2.00

COOKING: TERMS AND WHAT THEY MEAN (YA)

Demonstrates some of the most commonly misused and misunderstood terms employed in cooking, and points out what they really mean. Designed to make the student conscious of the exact meaning of terminology used in cooking recipes. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

COOLIDGE QUARTET—STRING ENSEMBLE (UW)

William Kroll, Violin; Nicolai Berezowsky, Violin; Nicolas Moldavan, Viola; Victor Gottlieb, Cello. The quartet plays: "Andante" from "String Quartet in E Flat Major" by Carl Von Dittersdorf; "Fugue" from "Quartet in C Major," Opus 59 No. 3. (I-J-H-C)

One reel, 10 minutes
Rental, \$2.00

COPPER (EB)

This is how man gets copper from an open-pit type copper mine. The ore is crushed, washed, roasted, smelted, and converted. Most copper comes from several principal deposits in the United States, and is of great importance in a modern industrial society. (Color) (I-J-H)

One reel, 11 minutes
Rental, \$3.00

CORN FARMER, THE (EB)

Depicts the lot of a typical corn farmer in growing and harvesting his crops. Problems of planting, cultivating, harvesting, crop rotation, haying, hog and cattle raising and marketing are portrayed in challenging settings. Reproduced conversations vitalize numerous situations including household events, a visit to a neighboring town and a livestock auction. The role of the machine in modern farming is given due consideration. (I-J-H-C)

One reel, 10 minutes
Rental, \$2.00

CORONATION OF POPE PIUS XII (UW)

This is the first time a coronation of a Pope was ever photographed. Intimate glimpses of Pope Pius XII and his life. Inspiring camera work inside the Vatican. Detailed filming of a historic ceremony and the actual coronation on the balcony of revered St. Peter's. (J-H-C)

One reel, 11 minutes
Rental, \$2.50

CORPS DE BALLET & ORCHESTRA (OF)

Following an intimate glimpse into the ballet school, Serge Lifar, master of the ballet, gives an enchanting performance. (J-H-C)

One reel, 5 minutes
Rental, \$2.00

COTTON (EB)

Making of cotton cloth from field to fabric. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

COUNTY GOVERNMENT (PRP)

Covers the operations and functions of all phases of a typical county; shows how and why counties were formed; how their powers are controlled by the State; how counties are governed and the scope of their duties; several types of their duties; several types of county administration are illustrated and discussed. The services performed by the different county officers are shown and explained. (J-H-C-A)

One reel (800 feet), 21 minutes
Rental, \$3.50

COURTESY COMES TO TOWN (FF)

Mr. Carter suggests that Tom and Betty write an objective newspaper story about courtesy, with pictures on whether Tom's generation or his father's contemporaries are the most courteous. We follow Tom and Betty for the rest of the day to restaurants, department stores, and executive offices. Next day Tom, Betty, and Mr. Carter meet to review the material brought in. Each photograph comes to life and the scene is re-enacted. We end on this suggestion directed to the audience: "If people are courteous just because they are ladies and gentlemen, what about the people who are discourteous?" (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

COW AND ITS RELATIVES (C)

A visit to a domestic cow, Indian humped cow, Yak of Tibet, buffalo and antelope. (P-I)

One reel, 10 minutes
Rental, \$2.00

COW AND THE SPRITE, THE (C)

A charming interpretation of the well-known story that tells of the happiness of man and of what happiness is composed. Employs delightful puppets, especially created for filming, to bring to us the moral lesson that "we can be happy no matter what our worldly possessions." Other fantasies in this series are: Rumpelstiltskin, Honest Woodsman, King Midas and the Golden Touch, Legend of the Pied Piper. (P-I)

One reel, 11 minutes
Rental, \$2.00

CRADLE SONG, THE (UW)

Ninon Vallin, contralto, lends new significance to "Les Berceaux" by Fauré in an outstanding vocal performance. (I-J-H-C)

One reel, 5 minutes
Rental, \$1.50

CREATION (HFE)

Depicts the formation of the world, the land rising from the seas and the appearance of life upon the earth. It shows the Garden of Eden, with Adam and Eve and how they are driven out of the Garden of Eden into a desolate, dreary waste. (C-A)

One reel, 11 minutes
Rental, \$3.50

CREATION OF A PORTRAIT (EB)

Demonstrates essential steps in the creation of a representative portrait as painted by A. G. Warshawsky, prominent American artist. Shows artist making beginning sketch with color and brush. Follows through with the laying in of broad planes of color and portrays the gradual development of form in the portrait with constant reference to the model. Illustrates the use of glaze over painting and calls attention to the master touches which distinguish the work of a great painter from that of the mediocre. (Color) (H-C-A)

One reel, 11 minutes
Rental, \$3.00

CRIMINAL IS BORN

(TFC, Restricted to Classroom Use)

A judge relates a case demonstrating the effect of parental neglect in the development of adolescent criminals. (H-C)

One reel (800 feet), 20 minutes
Rental, \$4.00

CROP THAT NEVER FAILS (USDA)

By calling attention to disastrous floods, dust storms, insect plagues and drought that have plagued the American farmer during the last two decades, this picture points out that prosperity is not permanent, and that farmers should draw a lesson from the past and insure security by putting aside substantial financial reserves in the form of Savings Bonds.

One reel, 8 minutes
Handling charge, \$1.00

CROSS SECTION OF CENTRAL AMERICA — GUATEMALA (UW)

Four hundred years after the Spanish conquest you still hear the ancient Indian languages of the Guatemalans and sense the feeling that time has stood still. The camera places you with these people and you at once feel the physiographic impact of the country upon them. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

CRUSADES, THE

(TFC, Restricted to Classroom Use)

The excerpted classroom version of "The Crusades" presents a vivid dramatization of the efforts of the Christians to recapture the Holy Land from the Saracens, with emphasis upon the leading figures and events of the Third Crusade. (J-H-C)

One reel (1200 feet), 34 minutes

Rental, \$3.50

CUB IN THE DEN (BSA)

Den meeting shown illustrating parts of Den Mother, Den Dad, Den Chief, and Denner. (Color) (I-J)

One reel (800 feet), 20 minutes

Rental, \$3.00

CUB IN THE HOME (BSA)

Is designed to inform parents about the Cubbing Program. It specifically deals with the home-centered nature of cubbing and the parents' relationship to the boy's activity. It is especially useful in the first meeting of parents during the organization of a new Cub Pack. The story is about Bill, who wants to be a Cub, how his father becomes interested in cubbing through the Cub committeeman, and how Bill and his father enjoy cubbing themselves. (Color) (I-J-C)

One reel (800 feet), 19 minutes

Rental, \$3.00

CUB IN THE PACK (BSA)

Shows typical Pack project from preliminary planning to glorious end. Project is a Scout Circus in which all the Dens participate. We experience all the fun and thrills of the Circus as it is performed in a typical town. (Color) (I-J)

One reel (800 feet), 20 minutes

Rental, \$3.00

CUBA: THE LAND AND THE PEOPLE (C)

Close relationship between Cuba's tropical climate and the land is drawn in this timely picture of modern Cuban life. The Spanish background, the strategic value of the island to American security and the economic ties of Cuban products to the economy of the United States are shown—all in terms of the people of Cuba. (I-J-H-A)

One reel, 11 minutes

Rental, \$2.00

CUERNAVACA (OIAA)

In this film we visit three of the loveliest towns in Mexico—Cuernavaca, Tasco, and Acapulco. Cuernavaca, which stands on the site of an ancient Aztec village, is a beautiful week-end resort and Tasco, a silver mining town, is so picturesque that the Mexican government has named it a monument in order to keep

it unchanged. Acapulco is seen in all its beautiful surroundings. (Color) (General)

One reel, 10 minutes

Handling charge, \$1.50

CULINARY CARVING

(TFC, Restricted to Classroom Use)

An illustrated lecture by M. O. Cullen, carving expert, on the techniques of carving various cuts of meat. (J-H-C)

One reel, 9 minutes

Rental, \$2.00

CURE, THE (BRF)

Charlie is wheeled in to take the water cure. While Charlie is being treated by a rough masseur, the drunk bellhop, ordered to dispose of Charlie's trunkful of bottles of liquor, tosses them in the well with amazing effects on Charlie and the patients. Charlie promises to reform but next morning falls into the well. About the funniest of the Mutual comedies. (J-H-C-A)

One reel (800 feet), 22 minutes

Rental, \$4.00

CURING PORK COUNTRY STYLE (USDA)

Demonstrates and explains cooling, salting and length of cure. (General)

One reel (800 feet), 20 minutes

Rental, \$2.00

CURRENT FLASHES (JH)

The importance of the part that electricity plays in our everyday lives is highlighted. We see how generating plants adapt themselves to shifting loads and emergency conditions, and we see generators in use in many different places—radio stations—motion picture theatres—ships—trains—power plants—automobiles. The chief emphasis is placed on the generator and electrical system of the automobile.

The function of the generator and battery is completely explained. And the various uses of and necessity for electricity in an automobile are clearly demonstrated. (J-H-C)

One reel, 10 minutes

Rental, \$2.00

CURVE CONTROL (JH)

This picture shows and explains how various types of vehicles are steered.

Steering principles governing different numbers of wheels are investigated and various types of steering mechanisms are explained. The geometric principle of a revolving cone is shown as it applies to any wheel which is tilted at an angle to the plane on which it rolls.

Practices of steering are demonstrated, and we are shown how wobbling and weaving on a bumpy road are eliminated. (J-H-C)

One reel, 8 minutes

Rental, \$2.00

CUTTING A TAPER WITH THE COMPOUND REST AND WITH THE TAPER ATTACHMENT (USOE)

The operations used when turning a sharp taper on a bevel gear blank with the compound rest and a slight taper on a shaft with the taper attachment are demonstrated. Directions for setting the tool when cutting a taper, proper use of roughing and finishing tools, use of bevel protractor to measure a slight taper are shown. A brief summary of the sequence of operations closes the picture. (H-C)

One reel, 11 minutes
Rental, \$1.50

CUTTING AN EXTERNAL NATIONAL FINE THREAD (USOE)

Various shapes of threads and their uses, the characteristics of the National Fine Thread, and procedures used to cut such a thread on a lathe are among the points described in this film produced by the U. S. Office of Education. Slow motion is used in parts of the film to emphasize and make clear the skill required in this operation. (H-C)

One reel, 11 minutes
Rental, \$2.00

CUTTING KEYWAYS (USOE)

Shows the setting up of a shaft on the table of the milling machine for cutting a keyway at each end, the selection of the proper cutter, the determination of the correct speed and feed, and the setting of the machine for the correct depth and length of cut. The necessity for a rigid set-up of both work and cutter is emphasized. Animation shows how to calculate the feed and speed on the milling machine in terms of all the factors involved. All the steps necessary to cutting a keyway are reviewed. (H-C)

One reel, 11 minutes
Rental, \$2.00

CZECHOSLOVAKIA (MOT)

The history of Czechoslovakia from its birth at Versailles through Communist domination today. (General)

One reel (800 feet), 20 minutes
Rental, \$2.50

D-DAY (OWI)

Filmed by American and British Army Film units and by official newsreel cameramen who accompanied the invading forces, D-Day tells the authentic story of the Allied invasion of Normandy. The commentary is by Clyde Kittel, N.B.C. announcer. (J-H-C)

One reel, 11 minutes
Rental, \$3.00

DAIRY FARM (C)

Colorful summer scenes of life on a dairy farm, milking and handling milk. (Color) (P-I-J)

One reel (800 feet), 16 minutes
Rental, \$4.50

DAIRY INDUSTRY (VGF)

In presenting both the work involved in production, in processing and marketing the products of the dairy farm, this film points out the various occupational opportunities to be found in the large and expanding dairy industry, including many specialists jobs. The locale of the picture is a modern dairy farm, and an up-to-date milk processing and marketing plant. (J-H)

One reel, 11 minutes
Rental, \$2.00

DANGEROUS STRANGER (SD)

Should be shown to all elementary school children. The dangers of listening to the "dangerous stranger" are related and shown to a group of children by a friendly policeman. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

DANIEL BOONE (EB)

Relives important episodes in the life of America's best-known wilderness scout, Daniel Boone, revealing the personality traits and experiences which made him outstanding in his field. Portrays Boone's youth in Pennsylvania and North Carolina, where he learned the ways of the wilderness. Traces his activity in the French and Indian Wars, his pioneering adventures in exploring and settling Kentucky, his activity in the Revolutionary War, and his final settlement in Missouri, where his reputation as a pioneer and scout became firmly established. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$3.00

DASHES, HURDLES AND RELAYS (EB)

The first part of this subject is taken up with the technique of the dashes — 100 meters, 200 meters, and 400 meters. Demonstrations are given in both normal speed and in slow motion. There is ample repetition of the techniques of starting from various advantageous angles. Adjustments of sprinting form necessary for the 200 and 400 meter races are clearly brought out. The second part presents the hurdles and relays. Three types of good form in hurdling are illustrated. Much attention is given to the techniques of passing the baton in the relays, with differences in this technique between the short relays and the longer ones clearly shown. (I-J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.50

DATE WITH YOUR FAMILY, A (SM)

Presents a heart-warming story of an evening in the life of a happy American family. Shows how the people of the story are bound together by mutual respect and affection, and an intelligent concern for small attentions which nurture good family living. (J-H-C-A)

One reel, 11 minutes
Rental, \$3.00

DATES (HFE)

Since the date must have dry, hot atmosphere, it thrives only in desert areas where moisture can be provided by irrigation. This is one reason why Coachella Valley in Southern California is one of the world's most important date growing regions. This film tells of the planting, thinning, protecting, and harvesting of the fruit in the Coachella Valley. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

DATING: DO'S AND DON'TS (C)

By showing the progress of an idealized date, from inception of the idea, asking and accepting, to the date itself and the final goodnight, this film raises some important questions regarding dating, and suggests partial answers as guides for discussion. Such questions as "How old should you be before you date?" and "How late should you stay out?" help to stimulate open discussion of dating. (J-H)

One reel (800 feet), 15 minutes
Rental, \$3.00

DAVID COPPERFIELD, THE BOY
(TFC, Restricted to Classroom Use)

Sequences from the feature dramatization of Dickens' book. (General)

One reel (1600 feet), 40 minutes
Rental, \$5.00

DAVID COPPERFIELD, THE MAN
(TFC, Restricted to Classroom Use)

Continuation of the previous film. (General)

One reel (1600 feet), 40 minutes
Rental, \$5.00

DAVIS CUP, 1947 (AFC)

Complete coverage of the tennis matches with excellent camera views to bring the action at its best to the audience. (General)

One reel (800 feet), 20 minutes
Rental, \$3.00

DAY AT THE FAIR (EB)

Relives the fun, drama, and atmosphere of a state fair. Tells the story of three farm youngsters who go to the fair to exhibit their cattle and pigs, and follows them as they tend their livestock, watch the judging, see the displays, and take in the sights. Reveals one boy as he wins a prize, and follows all three as they frolic on the midway. (P-I)

One reel, 11 minutes
Rental, \$2.00

DAY IN CONGRESS, A (FI)

Portrays Congress in action, starring members of Congress and the page boys whose daily chores keep

the wheels turning on Capitol Hill. It presents a realistic picture of the environment in which the Congress of the United States carries on its work. It portrays the intimate, personalized story of A Day in Congress. (J-H-C-A)

One reel (800 feet), 22 minutes
Rental, \$4.00

DAY IS NEW, THE (OIAA)

A typical day in the life of the Mexican people is shown, picturing their varied daily activities, from dawn to night. (I-J-H-C)

One reel, 11 minutes
Handling charge, \$1.50

DAY OF BATTLE (OWI)

The life of an aircraft carrier, how she was built and how she was destroyed in battle against the Japanese in the South Pacific, is recorded in the Office of War Information film. Battle scenes show the carrier's fighter planes, torpedo planes and dive bombers in action against the Japanese attacking force. (H-C)

One reel, 10 minutes
Handling charge, \$1.50

DAY WITH ENGLISH CHILDREN, A (C)

Takes students to England for breakfast and school, classes and playing cricket, and doing all the simple everyday things. It is an important day, for it teaches students that although these children in another land have different customs, they also have much in common with us. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

DECIMAL FRACTIONS (JHP)

Presents, in animation, a simple, direct explanation of how decimal fractions are written and what they mean. Shows in detail their relationship to common fractions, but does not elaborate on how they are converted. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

DECIMALS ARE EASY (C)

By following an inductive plan, this film teaches that decimals are an integral part of our number system. First, they are used as an important element of everyday living. Then the film points out the decimals specifically and shows what they mean in terms of the whole decimal system of numbers. Slightly more difficult computations are given at the close of the film, summarizing addition, subtraction, multiplication and division of decimals. (I-J)

One reel, 11 minutes
Rental, \$2.00

DECLARATION OF INDEPENDENCE
(TFC, Restricted to Classroom Use)

The picture opens with a dramatic foreword to the effect that if American independence had failed, the signers of the Declaration of Independence would have signed their own death warrants.

Delegates from the various colonies are shown on their way to Philadelphia. Hancock presides in the convention hall where there is considerable discussion. Rodney is the only delegate to return home; and when word reaches him that his vote is needed, he makes a fast ride of eighty miles. Though he is shot at on the way, he escapes, and with his vote the independence issue is carried. The picture closes with the ringing of the Liberty Bell. In technicolor. (I-J-H-C)

One reel (800 feet), 20 minutes
Rental, \$5.00

DECORATIVE METALWORK (GAF)

First various articles made of different metals are shown and then the particular project to be undertaken here is outlined. A rough free-hand sketch of the design is made and then it is accurately drawn. The metal is flattened, cleaned and a thin coat of wax is applied. The pencil lines are transferred to the waxed metal. Steel wool is used to rub off the wax. The edges are filed and smoothed with emery cloth. The entire back and parts of the design not to be etched are painted with asphaltum. The design is cleaned and smoothed. The edges are waxed. A solution of water and nitric acid is made and tested with a serpa of metal. The bracelet is taken out and dried. Turpentine removes the asphaltum. It is placed on a bracelet bender and polished with a fine emery cloth. A young girl puts the bracelet on her wrist. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

DEER AND ITS RELATIVES (C)

Family scenes of the Virginia deer, wapiti, fallow deer, Bactrian camel, dromedary, the alpaca and llama of South America and the African cousin, the giraffe. (P-I)

One reel, 10 minutes
Rental, \$2.00

DEFENDING THE CITY'S HEALTH (EB)

Describes factors which affect the health of cities. The work of a model city health department is portrayed which includes education, gathering statistics, nursing, supervising sanitation, laboratory analyses, child hygiene, and a comprehensive sequence on the control of communicable diseases. The role of the individual citizen in a health program is stressed. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

DEFENSIVE FOOTWORK IN BASKETBALL (EB)

Teaches stance, striding with an opponent, checking arm and footwork, pivoting and taking positions. (J-H-C)

One reel, 10 minutes
Rental, \$2.50

DEMOCRACY (EB)

Explains and illustrates two characteristics of democracy which are: shared respect and shared power. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

DENTAL HEALTH: WHY AND HOW (C)

Presents a dramatic review of what research and experimentation have done to promote better dental health for the American public. Brings you an up-to-date report on diet and its relation to the growth and decay of teeth, new sodium fluoride applications, and the latest techniques of oral hygiene. The coveted Seal of Approval of the American Dental Association has been awarded to Dental Health: Why and How. (I-J-H-A)

One reel, 11 minutes
Rental, \$2.00

DENTISTRY A CAREER (VGF)

Presents an interesting study in the education of young men for the dental profession. Educational prerequisites for entrance to a dental college are discussed. Film presents a survey of the four year course of study, with shots in the lecture room, laboratory and clinic. Actual laboratory technique is demonstrated and students use complicated apparatus. Classes in gross anatomy, chemistry, bacteriology, dental anatomy and other advanced courses are shown. Opportunities open to graduates are explained, such as: Internships in hospitals and children's clinics, appointments in government public health service and state departments of health. (J-H)

One reel (800 feet), 20 minutes
Rental, \$3.00

DESCRIBING AN INCIDENT (C)

Here is an incident poorly described, and then the same incident interestingly, completely, colorfully described. This film is an unusual participation device which stimulates class interest in the development of descriptive ability. (J-H)

One reel, 10 minutes
Rental, \$2.00

DESERT NOMADS — FRENCH MOROCCO
(UW)

This film presents the life of Nomads who are found in some dry-land regions of the world. They wander from place to place in search of pasturage of their animals, but return to water spots to exchange

animal products for agricultural products. We see tribes of nomads in the Sahara, south of the Atlas Mountains, wandering from place to place in search of grass for their animals, but always returning to the oasis to exchange their products for agricultural crops. These people, like all desert tribes, are dependent upon the camel for transport. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

DESERT PATROL

(TFC, Restricted to Classroom Use)

Here we have life in and about a military post on the Libyan (Italian) desert. When the picture opens, it is sunrise; the dromedaries are rousing themselves; the bugler calls the soldiers to breakfast. Water is drawn from a deep well using a crude leather pouch.

At an oasis, children swim; women do the family washing. The dromedaries are fed their oats and are sheared; their hair, to be used for coat making, is cleaned and spun by the women.

After a dance by a veiled native, which is accompanied by the wild hand clapping of the spectators, the patrol leaves in body, breaks into groups of three, each group going to its post. There are views of the wind-blown sands of the desert, of camels reclining during a sandstorm, and of the oasis with the sentinel who has remained to keep watch. (General)

One reel, 9 minutes
Rental, \$2.00

DESPOTISM (EB)

Presents scale on which all communities can be measured and illustrates effects of concentration of power, control of communication, slanted distribution of wealth and restricted respect. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

DEVELOPING FRIENDSHIPS (C)

It is vitally important that young people understand and appreciate "friends" and that they understand how real friendships are developed and maintained. This film accomplishes those objectives while showing that real friends make a person better than he or she already is. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

DEVELOPING IMAGINATION (C)

Can a person actually develop his imagination? Is there a simple way to use imagination so it will enrich reading, writing, speaking, problem solving? The answer is "yes" and this film will interest boys and girls in the value of imagination and help them to develop and relate imagination to its many study and social functions. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

DEVELOPING LEADERSHIP (C)

Bert knew what to do when a flood struck Greenview. With enthusiasm, vision, and imagination—with readiness to assume responsibility, he directed a job well done. This film will help to develop those leadership qualities in everyone who sees it. (H-C)

One reel, 10 minutes
Rental, \$2.00

DEVELOPING RESPONSIBILITY (C)

The story of a boy and of the dog that he wants very badly, which teaches lessons in responsibility. It is seen that although responsibilities often entail hard work, difficult decisions, and missing out on some fun, the rewards, both material and spiritual, more than compensate, and that through planning and determination, a fuller, happier life will be in the offing. (P-I-J)

One reel, 10 minutes
Rental, \$2.00

DEVELOPING SELF-RELIANCE (C)

How dependency grows and yet how necessary self-reliance is to all successful endeavor and happiness is shown. Analyzes the steps in developing self-reliance as: assume responsibility, be informed, know where you are going, and make your own decisions. A careful distinction is drawn between dependence—which is desirable—and seeking advice and help, which is part of being intelligently self-reliant. (J-H)

One reel, 11 minutes
Rental, \$2.00

DEVELOPING YOUR CHARACTER (C)

What good character is and how it can be achieved in order to live more happily and more successfully is brought out. The influences from the home, church, school, and friends that mold an individual's character are described and a guide to developing this character is presented. (I-J-H)

One reel, 10 minutes
Rental, \$2.00

DEVELOPMENT OF COMMUNICATION (EB)

In this picture the most important aspects of the long story of man's human communication are shown. Not only are the devices of communication shown, but the social, cultural and economic effects of these devices upon human living are clearly presented. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

DEVELOPMENT OF THE CHICK, THE (UW)

Shows the development of the chick throughout the period of incubation. By means of a series of photographs taken at various stages, the hatching process and the subsequent growth of the chick to maturity

are seen in detail. Growth processes and movements are sped up due to the film's independence of actual time. (H-C)

One reel, 10 minutes
Rental, \$2.00

DEVELOPMENT OF TRANSPORTATION (EB)

Transportation developments within the United States during the past one hundred fifty years; the physical barriers, the spread of the railroad network, and the subsequent highway development; principal stages in the development of the locomotive and automobile; modern transportation devices, including the airplane, in relation to their potentialities and our dependence upon them. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

DIARY OF A SERGEANT (OWI)

Real-life story of the rehabilitation of a U. S. soldier who sacrificed his hands for his country. (General)

One reel (800 feet), 22 minutes
Rental, \$2.00

DIES AND DIE MAKING: BLANKING TOOLS (FP)

This subject is broken into two parts, the first reel treats the elementary principles of dies and their construction. The different important types of blanking tools are shown. The simple open die, the parting tool, the progressive tool and the compound tool. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

DIES AND DIE MAKING: FORMING TOOLS (FP)

This reel is the second part of Dies and Die Making. It covers the bending, forming and drawing of metal in dies. The two reels present the practical points that are essential to the correct operation of press tools. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

DIESEL, THE MODERN POWER (USBM)

New sources of power always seem to have a romantic appeal. So it is with Diesel motors. Much interest has been evinced and many prophecies have been made. Here is a film that traces the development of the Diesel motor from a single crude cylinder to the mighty banks of engines that propel the latest streamlined trains. (J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

DIGESTION OF FOODS (EB)

In this film both the mechanical and the chemical aspects of digestion are presented, together with their

controlling factors. Among the mechanical processes included are mastication, swallowing, stomach contractions, intestinal segmentation, and intestinal persistalsis. Among the chemical processes presented are the production of saliva and the action of the ptyalin on starch, the production of gastric juice and the action of pepsin on albumin, and the production of pancreatic juice and the action of lipase on fats. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

DINNER PARTY AND DINNER PARTY REVIEW (SM)

Proper table etiquette is presented in dramatized form by a group of teen-agers who are attending a birthday party honoring the host. A full three course dinner is served consisting of the usual soup, meat and desert. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$3.50

DIODE (USOE)

Explains the principles of electron flow in a diode tube, photoelectric cells and X-ray tubes. (J-H-C)

One reel (800 feet), 17 minutes
Rental, \$2.50

DISCOVERY AND EXPLORATION (EB)

Describes, with animated drawings, the North American territory involved during the period of discovery and exploration from 1492 to 1700. Sequences include paths followed by explorers from the Old World in seeking new routes to the east; the Spanish conquests; early northeast trade routes; and mid-continent developments. The narration gives due significance to the human motives involved. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

DISCUSSION IN DEMOCRACY (C)

What a world of difference there is between the constructive results of a well-organized, democratic discussion and those of a mere argument. In this film story, a typical group of students learn, through expert advice and through their own experiences, the relationship of organized discussion to a democratic society . . . and they develop a three-fold program for the leader and the participants in any discussion, involving: 1) Preparation, 2) Planning, 3) Personalities. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

DISTANCE RACES (EB)

The style of the distance runner, 1,000 to 10,000 meters, is contrasted with that of the dash man. Differences in typical physiques are shown. Slow-motion scenes analyze particular movements. (J-H-C)

One reel, 11 minutes
Rental, \$2.50

DISTRIBUTING AMERICA'S GOODS (EB)

Shows present sources of transportation costs to producer, wholesaler, retailer and some ways distributors and consumers can cooperate to reduce distribution costs. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

DISTRIBUTING HEAT ENERGY (EB)

Four sequences of scenes make up the content of this production prepared for junior high school general science instruction. The first sequence deals with different kinds of heat sources—coal, oil, gas, electricity, and wood. A second sequence demonstrates how furnace fuels are burned in coal, oil, and gas furnaces. The third sequence treats the development of home heating from the Colonial fireplace to the modern steam radiator. In the fourth sequence the mechanics of heat transfer by conduction, by convection, and by radiation are presented. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

DISTRIBUTION OF FOODS (EB)

Pictures the technical developments and economic problems connected with the preservation and transportation of food. Animated maps illustrate tariff barriers and food movement. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

DIVIDE AND CONQUER (OWI)

Hitler's strategy of lies and treachery in his plan for over-running Europe is graphically described in this film. Allied and captured Axis newsreels, news headlines and animation are skillfully blended to show how the Nazi Fuehrer softened his victims with propaganda and then launched his treacherous attacks. The actual crackling of fire and the crumbling of brick is realistically recorded with live sound. The calm, intelligent commentary has a very persuasive effect. (H-C)

Two reels (1200 feet each), 58 minutes
Handling charge, \$2.00

DIVISION IS EASY (C)

A companion film to *Multiplication Is Easy*, it helps children to understand division, to know why division is important, and to know what to learn in order to master this basic arithmetical process. The film may be used to introduce the study, to enrich it, or to review it in later grades. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

DO BETTER ON YOUR EXAMINATIONS (C)

Four basic rules that students can follow to do better on their examinations are presented. These rules

are demonstrated and the various types of exams—and the purposes of them—are presented. Students see, too, how to prepare for tests and learn how to cultivate a positive attitude towards tests by understanding the purposes, objectives and values of examinations. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

DO UNTO ANIMALS (USDA)

Shows how livestock often are injured and killed in the process of marketing and outlines approved methods in transporting and handling that will reduce yearly loss of \$12,000,000. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$2.00

DO WORDS EVER FOOL YOU? (C)

Simple situations illustrate word problems in human relationships, in business, and in politics. (I-J)

One reel, 11 minutes
Rental, \$1.50

DOCTOR, THE (EB)

Develops an appreciation for the significant role of the medical doctor in modern life. Follows a child specialist through a typical day at his office, at the hospital, and at the home of a patient. Reveals him at such duties as those of making a physical examination, vaccinating a baby, visiting his hospital patients, and diagnosing a case of measles. (P-I)

One reel, 11 minutes
Rental, \$2.00

DOCTOR SPEAKS HIS MIND, THE (ACS)

This film was planned not to give members of an audience the medical and scientific facts and figures of cancer, but rather to stimulate their interest to the point where they will be eager to learn such facts from their doctor. The film is used to best advantage as an introduction for a professional speaker who may be qualified to discuss the medical and scientific aspects of cancer. (General)

One reel (800 feet), 22 minutes
Rental, \$1.00

DODDER, THE (EB)

The entire life story of the dodder, one of the best known of the group of parasitic flowering plants, is shown by means of time-lapse photography, accompanied by an explanatory narrative. Among the more impressive features is the presentation of the dodder twining about the host plant. Animation aids in revealing details in the structure and operation of the suckers. The destructive character of this plant is demonstrated as well as its beauty. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

DOES IT MATTER WHAT YOU THINK? (BIS)

Is an amusing and provocative film for adults and teen-agers by arousing many questions in the mind of its audience. Do you think what you are told to think or do you form independent conclusions? Do you read a newspaper because it expresses your ideas or because you accept its editor's ideas? When you form an opinion, what use do you make of it? (H-C)

One reel (800 feet), 15 minutes
Rental, \$3.00

DONALD DUCK, THE MECHANIC (BF)

Donald, Mickey, and Goofy are gas station attendants. They dismantle an automobile to find that the squeak within it is a cricket. The car is put together in such a manner that the owner shortly finds himself being chased by the motor. (General)

One reel, 5 minutes
Rental, \$1.00

DON'T BE A SUCKER (Castle)

This film points out the dangers of blindly following rabble-rousers who would divide us into mutually hateful groups. In the film a young man pauses to listen to a speaker who blames all social and economic ills on various minorities. A man who had been standing beside him explains that he came to America as a refugee from Nazi Germany where he observed the speaker's technique of sowing hatred utilized by Hitler to enslave the German people. (H-C-A)

One reel (800 feet), 20 minutes
Rental, \$3.00

DOUBLE-PLAY KINGS OF BASEBALL (IHSA)

Gives the techniques and functioning of some of the great double-play combinations in American baseball. (General)

One reel (800 feet), 20 minutes
Rental, \$3.00

DOWN THE GASOLINE TRAIL (JH)

In this talking motion picture an animated drop of gasoline is followed step by step through the fuel system.

As the drop is followed down the gasoline trail, the student sees exactly what happens to gasoline on its trip from gas tank to and through the motor and out the exhaust pipe.

The student sees the pump automatically supplying the right amount of fuel to the carburetor and also the function of the carburetor and its venturi tube in changing gasoline into fine particles of gasoline "dust" or mist. From there the gasoline dust goes into the combustion chamber, explodes, and then the waste passes on through the exhaust pipe.

Educational, interesting, easily absorbed, this picture

shows the inner working of the fuel system in such a way that the student may never forget it. (J-H-C)

One reel, 8 minutes
Rental, \$2.00

DRAFTING TIPS (PSC)

Is intended to give instruction in the use and care of drafting equipment and to emphasize the importance of cleanliness and accuracy in drafting work. It contains instruction on proper sheet layout and the use of an alphabet of lines. Graphically it depicts the best procedure in developing a drawing from beginning to end in the most efficient and accepted manner. (J-H-C)

One reel (1200 feet), 28 minutes
Rental, \$3.00

DRAFTSMAN, THE (VGF)

Describes the characteristics of the drafting profession. In order to understand the similarity between the English language and the graphic language the film shows the comparison between the two types of alphabets used, namely one using letters and the other using lines. It shows how the draftsman makes use of his unspoken language. The technique of drafting, including the proper use of equipment, is also shown. The film also explains the application of drafting in machine design and architecture. (H-C)

One reel, 11 minutes
Rental, \$2.00

DRAFTSMEN OF DREAMS (FI)

Gives effective illustrations of the interplay between inventions and social needs, and highlights the role the Patent Office plays in recording inventions and protecting inventors. (J-H)

One reel (800 feet), 22 minutes
Rental, \$2.50

DRAMA OF STEEL (USBM)

The film shows the uses of steel in the home, in industry and for national defence. Depicts primitive methods of producing steel, ancient iron castings, an early American blast furnace and a model of early air-blast or Bessemer converters. There follow views of modern open-pit iron mining, loading ore into railway cars and freighters, mining the limestone for producing slag and the making of coke for use in the blast furnace. Next are views of blast furnaces, the control room, animated drawings and description of the operations within the blast furnace, tapping the furnace and the casting of pigs. There appears a montage of products made of steel, and scenes in the cold reduction mill, in the tin mill, the hot mill, the blooming mill, the billet mill and the bar mill. (J-H-C-A)

One reel (1200 feet), 30 minutes
Rental, \$1.00

DRAWING: THE CIRCLE (YA)

Shows that the circle is one of the basic forms from which many objects are drawn. Gives a number of simple demonstrations. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

DRAWING: THE RECTANGLE (YA)

Explains that the rectangle is one of the basic forms from which many objects are drawn. Gives a number of simple demonstrations. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

DRAWING: THE SQUARE (YA)

Shows that the square is one of the basic forms from which many objects are drawn. Gives a number of simple demonstrations. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

DRAWING: THE TRIANGLE (YA)

Explains that the triangle is one of the basic forms from which many objects are drawn. Gives a number of simple demonstrations. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

DRAWING WITH PENCIL (EB)

Theodore Kautzky, artist and well-known authority in the field of pencil drawing, demonstrates the most effective techniques to be used in the completion of a scene drawn with pencil. An old Colonial New England stone building is the subject. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

DRAWINGS AND THE SHOP (McGH)

Film points up relationship between making the drawing and various production operations in shop and factory. For other titles in this series see According to Plan: Introduction to Engineering Drawing. (C)

One reel (800 feet), 15 minutes
Rental, \$3.00

DRIVEN WESTWARD

(TFC, Restricted to Classroom Use)

Classroom version of the Hollywood production, "Brigham Young," starring Tyrone Power and Linda Darnell. (J-H)

One reel (1200 feet), 30 minutes
Rental, \$3.50

DRUMS ALONG THE MOHAWK

(TFC, Restricted to Classroom Use)

Classroom version of the Hollywood production by the same name starring Claudette Colbert and Henry Fonda. (J-H-A)

One reel (1200 feet), 30 minutes
Rental, \$3.50

DRUNK DRIVING (TFC)

An excellent dramatization showing the damage caused by a drunken man at the controls of a car. (General)

Note: Regulations governing the use of films from Teachings Films Custodians (see page 5) have been modified for showing of this film. It may be shown by any nontheatrical group which desires to use it provided no admission is charged.

One reel (800 feet), 20 minutes
Rental, \$3.00

DUE PROCESS OF LAW DENIED

(TFC, Restricted to Classroom Use)

Dramatization of the kind of unlawful trials which were sometimes held in the early days of the West (Nevada 1885). Pictures the dangers of denying due process of law and illustrates convincingly the necessity to recognize the rights of an accused person as guaranteed by the Constitution of the United States. The action and dialogue of the film point up the dangers of mob violence and provide opportunity for discussion with reference to present day problems. (H-C-A)

One reel (1200 feet), 30 minutes
Rental, \$4.50

DUTCH TRADITION, THE (OWI)

The fundamentals of the Dutch moral strength in the Allied cause of peace and freedom are brilliantly portrayed in this timely film. Holland made ready for her defenses with the first hint of war. She fought the Nazi invasion to the last weapon and finally opened her canals to flood the Nazi War Machine. How Holland is carrying on with a stubborn resistance against the Nazi regime is fully shown in this picture. (H-C)

One reel (1200 feet), 27 minutes
Handling charge, \$2.50

EACH FOR ALL (BIS)

British factory workers belong to trade unions, which represent them both in the workshop and at the national conference table. Departmental or shop grievances can generally be righted by a brief discussion between management and the workers' representative. The film also shows a meeting of the Trades Union Congress, which represents every kind of trade union in Great Britain. (General)

One reel, 11 minutes
Rental, \$2.00

EARLY SETTLERS OF NEW ENGLAND (EB)

Re-enacts the lot of Salem's hardy pioneers about 1626. Types of people; the proximity of their bark wigwams and dugouts to the seashore; their direct dependence upon the sea and the land for food; the need for mutual assistance; division of labor; care of the sick; problems of crop cultivation; relationships with England; and the background beginnings of American democracy are portrayed. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

EARNING MONEY WHILE GOING TO SCHOOL (C)

The question of doing part-time work while in school is a common one and this film serves as a guide for students considering outside employment. It shows that work after school can be undertaken if it doesn't interfere with school work and recreation. In addition to providing extra money, part-time work is valuable in many other ways; increasing responsibilities, understanding the relation between job work and school work, learning new skills and learning to get along with people. (J-H)

One reel, 11 minutes
Rental, \$2.00

EARS AND HEARING, THE (EB)

Describes the physiology of the human ear by means of animated drawings and close-up photography of the ear as it is functioning. Portrays how parts of the ear operate, and records some of the important kinds of sounds in our environment. Explains common causes of impaired hearing and demonstrates how a hearing aid is used. (J-H)

One reel, 11 minutes
Rental, \$2.00

EARTH AND ITS SEASONS (KB)

The reasons why we have changes of seasons, vernal and autumnal equinoxes and summer and winter solstices are explained and depicted by photography and animated drawings. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

EARTH IN MOTION, THE (EB)

Presents realistically the dynamic aspects of the earth as a planet. The earth's sphericity is demonstrated, while rotation is established by star trails and the Foucault pendulum. Proof of the earth's revolution about the sun is presented by motion of the sun in respect to stars and by the annual parallax of stars. The film concludes with phenomena associated with this revolution, such as characteristics of orbit, aphelion and perihelion, law of areas, inclination of axis, and seasons. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

EARTH MOVERS (OWI)

U. S. Army Engineers and Seabees in action building bridges, roads and airstrips. (General)

One reel (1200 feet), 14 minutes
Rental, \$2.00

EARTHQUAKES (FOC)

A study of the nature, causes, and effects of earthquakes, with special reference to the methods of recording and interpreting seismic phenomena. Extensive use is made of animated drawings to explain the origin and differentiate between volcanic and tectonic earthquakes. Seismographs are shown in operation and their mechanism is carefully explained. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

EARTH'S ROCKY CRUST, THE (EB)

The basic fact of geology—the building up and breaking down of rocks and land forms—is graphically shown through presentation of the water cycle, the formation of rocks, and crumbling of rocks. Animated diagrams, models and illustrative scenes are used in the film to present more clearly the subject matter. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

EARTHWORMS (UW)

The film displays, in microphotographic detail, the anatomy and anatomical functioning of earthworms. It also gives a complete pictorial analysis of the dissection procedure—a vital part of every biology and general science program. In addition, it points up the contributions of the earthworms to soil enrichment. (H-C)

One reel, 10 minutes
Rental, \$2.00

EASY STREET (BRF)

The most famous of the Chaplin-Mutual pictures. Charlie, a derelict, wanders into a Mission. Reformed by a minister and the angelic Edna, his first act is to return the collection box he had stolen. There is a street brawl going on in Easy Street, the toughest section of the city. Charlie joins the police force and overcomes the big bully by asphyxiation. He dispenses charity among the poor. In the end, "Love Backed by Force; Forgiveness Sweet, Bring Hope and Peace, to Easy Street." All the reformed inhabitants walk sedately to the New Mission. (J-H-C-A)

One reel (800 feet), 22 minutes
Rental, \$4.00

EDITOR'S NOTEBOOK, THE (WPP)

A history of the Chicago Daily News. Featured highlights are the sequences devoted to current affairs such as the recent Skid Row expose, the prison investigations of a girl reporter, and the résumé of other famous

editorial achievements. Also shown are the physical details of news-gathering and getting out the paper. (H-C-A)

One reel (1200 feet), 33 minutes
Handling charge, \$1.00

EDUCATION IS GOOD BUSINESS (CPP)

Shows that where a community, state or nation courageously invests a substantial share of its resources in education, the investment invariably is returned in better business and a higher standard of living. (General)

One reel, 10 minutes
Rental, \$2.00

EGGS (EB)

Care and feeding of large flocks of hens in laying houses; gathering of eggs from open nests and trap nests; cooling of eggs, and automatic candling, grading, cleaning and packing of eggs for market are shown. Illustrates use of technological methods in modern, large scale egg farming. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

EGYPT — KINGDOM OF THE NILE

(TFC, Restricted to Classroom Use)

Here is Egypt and its historic Nile. There is Luxor, built on the site of the ancient city of Thebes. We see the Temple of Luxor. Its massive columns because of the unusually dry climate have stood for 3,000 years. Then the ruins of the Temple of Rameses the Second which, the commentator says, was intended by Rameses to be imperishable that it would glorify him eternally. In the Valley of Kings, the largest and oldest burial ground known to man, we visit the celebrated tomb of King Tutankh-Amen. We see a close-up of his likeness on the cover of the sarcophagus which has been left there. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ELECTRICAL WORKER, THE (VGF)

A very recent vocational guidance release showing the training necessary for work in the field of electricity. (H-C)

One reel, 10 minutes
Rental, \$2.00

ELECTROCHEMISTRY (EB)

Portrays the electrolytic decomposition of hydrogen chloride and the production of electric current from the action of chlorine and hydrogen on platinum. An explanation of the storage battery integrates both processes. Electro-plating illustrates participation of electrodes; electrorefining illustrates preferential discharge; and electrolysis of sodium chloride to yield caustic soda illustrates participation of the solvent. The production of aluminum from a molten electrolyte concludes the subject. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ELECTRODYNAMICS (EB)

In this film direct photography demonstrates cause and effect, while animation explains the fundamental principles of current electricity and electro-magnetism. Among the concepts presented are: Galvani's discovery of current electricity; magnetic field about a current-carrying wire; magnetic field of a coil; electro-magnets; Rowland's experiment; magnetic hypothesis; recalcence; induction by a magnet; A. C. generator; D. C. generator; induction by an electric current; and transformers. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ELECTRO-MAGNETS (YA)

A sequel to the films Magnets and Flow of Electricity, this film introduces the concept of electro-magnetism and shows how and why an electro-magnet works as it does. Made especially for science instruction at the elementary school level. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

ELECTRON, THE (USOE)

Illustrates the nature of an electron, electron flow and types, magnetic fields, and induced electron flow. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$2.50

ELECTRONS (EB)

By means of various photographic techniques, including animation, the hypothesis that electricity consists of unit elementary charges is supported by observation of phenomena associated with the conduction of electricity in liquids, gases, and vacuums. The conclusion drawn is that the fundamental unit of an electrical charge is the electron. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ELECTROSTATICS (EB)

Deals with static electricity as fundamental to an understanding of the modern theories of electricity. It explains how positive and negative electrification are produced and by animated drawings shows the part played by insulators and conductors. Natural photography supplemented by animation gives a remarkable exposition of the movement of charges in the electroscope, the Compton electrometer, the static machine, and Nature's display of static electricity, lightning. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ELEMENTARY BOOKBINDING (GAF)

Produced at Universal School of Handicrafts, Rockefeller Center, New York. A number of books with attractive bindings are seen first. Paper, vellum, buckram, linen and leather samples are shown. Paper

for the cover of the book we now see made is decorated by finger painting. It is then laid aside to dry for use later. Sheets of wrapping paper, folded, form the sections or body of the book. After folding, the sections or body of the book are placed between boards and clamped. We see the sewing in and out thru kerfs and inserting of tapes, and the gluing of super or gauge and a strip of firm paper to back of book. A strip of binders' vellum is marked and pasted to the board. Covers are pasted to the board and are rubbed on thoroly to avoid air blisters. The cover paper is rubbed gently but firmly in place. End sheets are pasted and book is inserted in its covers. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ELEMENTARY MANUAL TRAINING (GF)

Produced at the Universal School of Handicrafts, Rockefeller Center, New York. A gift box is displayed, and then a table is seen covered with various samples of this sort of work. The working plan indicates lumber or stock required. The instructor selects various tools and shows the plans to a small boy. The youngster proceeds to measure, saw and plane the various pieces needed. He glues and nails them together. He carves with a veining tool, attaches cleats to the cover and sandpapers the box. He applies a stain and attaches leather hinges. He traces a ship design onto a piece of wood, cuts it out with a coping saw and glues it to the top of the box. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ELEMENTARY OPERATIONS OF ENGINE LATHE, THE (EB)

This skillfully prepared sound film provides invaluable help in teaching shop practice. The commentator explains each step fully and clearly. Exact alignment of the lathe, detailed procedures in facing, straight turning, and squaring a shoulder, working accurately to dimensions from a drawing, characteristics of principal cutting tools, and use of micrometers are shown. (H-C)

One reel, 10 minutes
Rental, \$2.00

ELEMENTS OF DESIGN: COMPOSITION (YA)

Discusses composition as one of the basic elements of design, and its function in the art and industry of everyday life. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

ELEMENTS OF DESIGN: LIGHT AND SHADE (YA)

Discusses light and shade as one of the basic elements of design, and its function in the art and industry of everyday life. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

ELEMENTS OF DESIGN: LINE (YA)

Discusses line as one of the basic elements of design, and its function in the art and industry of everyday life. It shows the effects achieved by use of straight lines, curved lines, S-shaped lines, circles, and their various combinations. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

ELEMENTS OF DESIGN: SHAPE (YA)

Discusses shape as one of the basic elements of design, and its function in the art and industry of everyday life. Shows the effects achieved by use of circles, squares, rectangles, triangles, and their various combinations. (J-H-C-A)

One reel, 11 minutes
Handling charge, \$2.00

ELEMENTS OF ELECTRICAL CIRCUITS (EB)

Animated drawings are extensively used to develop the nature of electric currents and circuits. Electronic motion is clearly demonstrated, as well as the principles underlying conductors, insulators, and the factors affecting resistance. (J-H)

One reel, 11 minutes
Rental, \$2.00

ELEPHANTS (EB)

Photographed on an animal training farm, this film depicts general characteristics of elephants. Attention is given to their physical features, food, methods of eating, drinking and cleansing themselves. A full-grown elephant is put through a series of tests for a circus buyer who engages the trainer to condition two young elephants. These are shown learning to stand on their front and hind legs, sit on barrels, walk a plank, ring a bell, and obey other commands. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

EMANUEL FEUERMANN, CELLIST (UW)

Feuermann made his debut at 11, was teaching the cello at 17 at Cologne University. Successful American and world tours followed his debut with the Philharmonic Symphony of New York. He plays: "Rondo, Opus 94" by Anton Dvorak; "Spinning Song" by David Popper. (I-J-H-C)

One reel, 10 minutes
Rental, \$2.00

EMERGENCE OF PERSONALITY (EB)

A combined forum version of the three films in the personality development series: Baby Meets His Parents, Helping the Child to Face the Don'ts, Helping the Child to Accept the Do's, (for description see individual titles). Explains how the developing personality of the child is influenced by the manner in which his parents provide for his basic needs and prepare him for social living. (H-C-A)

One reel (1200 feet), 33 minutes
Rental, \$4.50

EMOTIONAL HEALTH (McGH)

This film has three primary objectives: (1) to convince young people of college age that emotional upsets are common; (2) to show that if a disturbance of this kind is prolonged, the need for professional counsel and care is just as important and normal as with any physical illness; and (3) to explain in simplified language some of the basic techniques of psychiatric treatment and thereby allay some of the stigma attached to the necessity for this treatment. For other titles in this series see *Body Care and Grooming*. (C)

One reel (800 feet), 20 minutes
Rental, \$3.00

ENCHANTED RIVER, THE (ASF)

Goes back to Aesop to the two woodcutters, one a cunning schemer; the other simple and honest. Their meeting of a water nymph is portrayed in woodland scenes. The nymph, with the aid of trick photography, performs magic as she punishes the thieving woodcutter and rewards the honest one. (P-I)

One reel, 11 minutes
Rental, \$2.50

ENDOCRINE GLANDS (EB)

Animated and other special photography in this film describe the nature and function of the parathyroid, pituitary pancreas, and thyroid glands. Insulin as related to diabetes; hyper and hypothyroidism; and mammary gland stimulation also are treated. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ENERGY AND ITS TRANSFORMATION (EB)

Potential, kinetic, and radiant energy, as manifested in mechanical, chemical, and thermal form, are vividly illustrated and explained. The principle of conservation of energy, and the concepts "power" and "work" are demonstrated in experiments. The film closes with a review of present and future sources of energy. (H-C)

One reel, 11 minutes
Rental, \$2.00

ENERGY IN OUR RIVERS (C)

For centuries the quaint old waterwheel turned a grindstone to sharpen man's tools, a millstone to grind his grain. Today massive dams and hydroelectric plants, backed by huge reservoirs of water, furnish electricity to cities and factories, furnish water that turns miles of desert into rich farmland. The amazing and wonderful story which lies between these two eras is unfolded in detail here. (J-H)

One reel, 10 minutes
Rental, \$2.00

ENGINEER, THE (VGF)

This is a large field in which many men are employed. The film shows the work being done in the

fields of civil, structural, hydraulic, sanitary, mechanical, combustion, machine design, refrigeration, heating and ventilating engineering. Men are shown working in these various branches of the general field, and the narrator explains of what the work consists in the various engineering jobs. Electrical, mining, metallurgical, chemical, are a few more fields which are pictured. The film has many action scenes in these industries showing the students many things they would not be able to see by any other means. Qualifications for work in the field of engineering are covered in detail. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ENGLAND: BACKGROUND OF LITERATURE (C)

Takes students to England to show them that storied land as the inspiration for the nation's greatest writers — the London of Chaucer, Dickens, and Browning — the countryside which was so meaningful to Shakespeare, Keats, Wordsworth, and Kipling — and the sea, as Coleridge, Conrad, and Masfield wrote of it. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ENGLISH CHILDREN (EB)

The film portrays typical events in the daily life of an English city family. Particular emphasis is laid on activities of the children. American youngsters will enjoy observing English children at school, at play, at home, and on a holiday trip to a seaside town. (P-I)

One reel, 11 minutes
Rental, \$2.00

ENGLISH INFLUENCES IN THE UNITED STATES (C)

Our American heritage is the gift of many people. But among the strongest influences that have molded our way of life are those that have come from England. Film traces some of the basic influences: the idea of democratic action, the body of law, freedom of speech and press, religious tolerance, language and literature, art forms and styles. (I-J-H-A)

One reel, 11 minutes
Rental, \$2.00

ESKIMO CHILDREN (EB)

Representative activities of an Eskimo family living on Nunivak Island, off the Alaskan coast, are portrayed. As parts of the film story center around the children, the following are depicted: Eskimo solution to the problems of food, shelter, clothing, and transportation; tasks of the parents and children; handicraft arts; forms of recreation, and traditional manners and customs. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

ESKIMO HUNTERS—NORTHWESTERN ALASKA (UW)

In this vivid film, we learn how people live in regions where the weather is always cold, chiefly by fishing, trapping, and hunting. We live with an Eskimo family in northern Alaska where life is conditioned by this low temperature, even in summertime. Eskimos are hunters, fishermen and trappers. Shelters in winter are stone houses. While on hunting trips of a day or more, ice houses are built. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

ESKIMOS (WINTER IN WESTERN ALASKA) (EB)

Shows the day-to-day life of an Eskimo family and how they win their bare living through the cold Arctic winter. Depicts Eskimo methods of fishing, ways of dress, daily activities, seal hunting, Eskimo schools and an authentic Eskimo dance. (Color) (I-J)

One reel, 11 minutes
Rental, \$4.00

ETERNAL FIRE (EB)

Using technicolor photography to tell its pictorial story, the film suggests the dramatic contrast between the past and present life of cities near Mt. Vesuvius and the ever present threat of the volcano itself. Opening on a sequence which portrays the still living volcano, the film suggests by means of extant ruins the ancient destruction of the city of Pompeii. A colorful native dance of the present contrasts with the lifeless ruins of yesterday but always with Mt. Vesuvius in the background as a reminder of a threat not yet removed. (Color) (J-H-A)

One reel, 11 minutes
Rental, \$3.00

EUROPEAN CORN BORER (USDA)

An insect pest, the European corn borer first made its appearance in this country in 1917. With the aid of the close-up camera, we see in interesting detail the life-cycle of the corn borer—from the time the moth lays its eggs, through the period when the eggs hatch to emit the borers which must feed on corn leaves and stalks to survive. The film discusses control measures, tells the farmer how to recognize and where to find the insect eggs, and the best times to use insecticides. (Color) (H-C)

One reel, 11 minutes
Rental, \$3.00

EVERY MINUTE COUNTS (USOE)

A supervisor becomes worried because of absenteeism and tardiness in his department. His superintendent points out many of the causes, and the supervisor takes steps to remedy them. (H-C)

One reel, 10 minutes
Rental, \$2.00

EVERYDAY COURTESY (C)

Through this film students learn that everyday courtesy is more than mere custom in our society. They learn that in the final analysis, the customary formalities of courtesy consist of very simple things—the friendliness, the thought of other people, the display of respect that makes each individual's life pleasurable and successful. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

EVERYMAN'S EMPIRE (USDA)

Today, 152 National Forests are owned by the people of the United States. These forests contain almost one-third of the nation's remaining timber. Here also are vast storehouses of water from which many towns and cities receive their entire water supply; here are grasslands that provide range for the cattle and sheep of the livestock grower. Here, too, are food and cover for wild animals and birds, streams for fish, and recreation areas for generations of Americans. (Color) (General)

One reel (800 feet), 20 minutes
Rental, \$4.00

EVERYWHERE IN THE WORLD (NFBC)

This moving presentation opens with President Roosevelt's speech demanding the four essential freedoms—freedom of speech, freedom of worship, freedom from want and freedom from fear—"everywhere in the world." The film then vividly portrays the fight which the younger nations of the world—the British Dominions and the United States of America—are making to preserve these four freedoms, both in providing material aid and in fighting on front lines many thousands of miles from their own frontiers. (I-J-H-C)

One reel (800 feet), 16 minutes
Rental, \$1.50

EVOLUTION OF MOTION PICTURES (UW)

Traces history from Egyptian shadow pictures through Leonardo da Vinci's camera of mirrors, Kircher's magic lantern, Dr. Roget's theory of persistence of vision, Daguerre's wet plate, Seller's synthetic motion, Luydrid's instantaneous photographs, Edison's first motion picture machine. There follows a rapid kaleidoscopic viewing of films through the years. (J-H-C-A)

One reel (1200 feet), 31 minutes
Rental, \$3.00

EVOLUTION OF THE OIL INDUSTRY (USDI)

Was made in cooperation with Consolidated Oil Company. It tells a comprehensive story of the petroleum industry, starting with scenes depicting Biblical episodes in which petroleum pitch or bitumen may have been an important material. The story moves rapidly to the Western hemisphere with scenes of

American Indians and, later, white men finding beneficial uses for rock oil.

As the film proceeds, the Drake Well near Titusville, Pennsylvania becomes an actuality and the historical characters of that period are seen in action with the tools they devised. Following this historical pageantry, oil well drilling is followed across prairies, invading cities, and reaching to the waters of the Pacific ocean. (I-J-H-C)

One reel (1600 feet), 40 minutes
Handling charge, \$1.00

EXERCISE AND HEALTH (C)

There is much more to exercising than just building muscles. Ernie was in a run-down condition and sick too often. Jean slouched through life, was awkward and too shy. Hal was "all work and no play," and much too irritable. Yet exercise and participation in athletics helped each of them to overcome a particular difficulty. The film shows that the right kind of exercise will go a long way toward making them healthier, happier, and more apt to succeed in any undertaking. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

EXPLORING SPACE

(TFC, Restricted to Classroom Use)

Photographed in the Hayden Planetarium of the American Museum of Natural History, takes the audience on a trip through space with close-ups of the moon, Venus, the sun, Mars, and the Milky Way. The picture concludes with excellent shots of the eclipse of the sun showing Bailey's Beads and the Corona. (I-J)

One reel, 9 minutes
Rental, \$2.00

EXPLORING THE UNIVERSE (EB)

An explanation of refracting and reflecting telescopes introduces this talking picture on the dynamic aspects of the stars within our galaxy and of the galaxies themselves. Animated drawings are used extensively to portray these phenomena which include: the transformation of the dipper during the next hundred thousand years; binary stars; eclipsing variables; trinary stars; the motion of the stars in the Hyades and the Hercules cluster; apparent star motion due to motion of the solar system; galactic rotation; and finally a portrayal of the theory of the expanding universe. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

EXPLORING WITH X-RAYS (GE)

Made for the information and education of the general public, this film is designed to offer to the layman an idea of the scope of the use of X-rays and to inform him in an entertaining manner of its potentialities. The film is not regarded as a demonstration of

X-ray procedures in their entirety nor as depicting in detail complete modern radiographic technique. This film was produced with the cooperation and approval of the American College of Radiology. (J-H-C)

One reel (1600 feet), 40 minutes
Handling charge, \$1.00

EYES AND THEIR CARE (EB)

The physiology and hygiene of the eye is treated in detail. Animated drawings clarify structure and function. The film explains learning to judge distance, eye movements, light receptors, field of vision, night blindness, double vision, near- and far-sightedness, infections, and protection of the eyes. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

EYES FOR TOMORROW (NSPB)

The picture covers prenatal care and reduction of blindness through proper treatment, shows the care that should be given contagious diseases, such as trachoma, and points out the increased danger of industrial eye hazards, prevalence of glaucoma and various corrections for common defects such as myopia, astigmatism, strabismus, etc. Also stressed is the building of resistance through regular eye examinations, correct diet, and good health habits. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$2.50

F.B.I., THE (FF)

The 24-hour-a-day vigilance of this vast organization, the techniques and crime detection methods shown at the F.B.I. laboratories, and the rigorous training an agent must undergo at the Academy at Quantico, Virginia, are all documented in this release.

The authentic case of August Baumeier, reconstructed from F.B.I. files, reveals not only the methods of German agents in the U.S. during the war, but also the striking effectiveness of counterespionage by the F.B.I. (J-H-C)

One reel (800 feet), 17 minutes
Rental, \$2.50

F. D. R. (UW)

Newsreel highlights of Franklin D. Roosevelt's life. (H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

FACE BEHIND THE MASK, THE

(TFC, Restricted to Classroom Use)

The story of a mysterious man who spent his life in prison at the order of Louis XIV.

The king's power was absolute and there was no recourse for the prisoner who, masked in velvet and blindfolded, was rowed to the island fortress of Ste. Marguerite. A metal mask, cunningly made, was placed over his head.

Forty years later, the prisoner was removed to the

Bastille where he died. Many books theorizing as to his identity have been written. There seem to be three probable solutions.

One, that he was Count Matioli, an Italian who sold France secret information, but resold it to Spain and Venice. Or that he might be Forquet, treasurer of France and richest man in the world, who sought the aid of the king's mistress in a try for more power. Or, finally, that Louis XIV did have a twin, as rumor claimed, and that the twin was imprisoned so that the king's power could not be threatened.

The narrator closes the story with the comment that this man has become the symbol of millions of persons seized and imprisoned without trials; that his fate was pointed to by later generations in their fight for trial by jury. (I-J-H)

One reel, 11 minutes
Rental, \$2.50

FACING, TURNING, BORING, GROOVING, CHAMFERING ON A VERTICAL TURRET LATHE USING TWO HEADS (USOE)

Shows the operations and procedures followed when tooling up a vertical turret lathe for operations requiring the simultaneous use of both vertical and side heads. A semi-finished magnesium casting is secured to the table in a special fixture. An indicator is used to check the setting in the fixture. The vertical and side heads are shown in operation. Animation explains the "flush-pin gage" used to check the height of the shoulder. The use and shape of the chamfering tools are explained. The necessity for caution in working with magnesium is emphasized. (H-C)

One reel (1200 feet), 33 minutes
Rental, \$3.00

FACTORIES, MINES AND WATERWAYS — INDUSTRIAL WESTERN EUROPE (UW)

Heavy industry tends to develop in areas which have easy access to sources of raw materials, labor supply and markets. Alsace-Lorraine is one of the most highly industrialized regions of the world. Abundant coal deposits and nearby iron mines are linked by railroads and waterways with manufacturing cities and seaports. This film accompanies the captain of a coal barge on his trip from Strasbourg to Pont-a-Mousson, on the Rhine Marne Canal. Not only does the student gain an insight into the daily life of a barge family aboard their water-borne home, but the film shows clearly why this part of Western Europe has become the industrial heart of the continent. The railroads which run alongside the canals, loading and unloading activities at inland ports, the concentration of industrial sites, and sequences on iron mining, steel making and pottery manufacturing all illustrate the basic geographic concept of this film. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$3.00

FACTORY SAFETY (JH)

In this talking motion picture safety methods in the factory of today are clearly and dramatically shown. Workers learn plant safety regulation and are constantly reminded that they should be careful. We see how the arrangement of machinery, protective devices on machines, and the carefulness of men at work prevent accidents. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

FACTS ABOUT FILMS (IFB)

A film for in-service training of teachers and projectionists. A "must" for everybody using projection equipment. (J-H-C-A)

One reel, 10 minutes
Rental, \$2.00

FACTS ABOUT PROJECTION (IFB)

Explains that a projectionist must run over a check list of necessary precautions in advance of scheduled showings. Shows attention given to the kind and source of power, light control and ventilation, position of screen, setting up of projector and speaker, check on dust in aperture, volume and tone control, and other details. (H-C-A)

One reel, 11 minutes
Rental, \$2.50

FALLING WATERS OF YOSEMITE (GDH)

Nowhere else on earth can such a glorious array of waterfalls, such as The Waterfalls, Vernal, Nevada, Yosemite, Ribbon, Cascade and Illilouette, be found in such a concentrated area. Each of the falls mentioned above is shown in this film. (General)

One reel, 11 minutes
Rental, \$2.00

FAMILIES FIRST (NYSYC)

The film, which is documentary and contrasting, is a recording of human interest in the everyday affairs of America's most important social unit — the family. Throughout the production, the family is in evidence as the major influence — for good or for bad — in the character growth of the child. A dual sequence in the forming of family patterns — the sharing and the non-sharing — results in situations arousing amusement, sympathy, and concern. (H-C-A)

One reel (800 feet), 20 minutes
Rental, \$3.00

FAMILY CIRCLES (McGH)

Demonstrates how wholehearted cooperation between the school and home and an equal division of responsibility will go a long way toward providing the kind of emotional and physical climate in which a child can grow to successful maturity. Challenges parents and teachers with the necessity for mutual

undertaking in which each supports and encourages the work of the other. (C-A)

One reel (1200 feet), 31 minutes
Rental, \$5.00

FAMILY LIFE (C)

"Gee, how *do* they do it? There go the Millers again, off for another day at Crystal Lake!" These teenage onlookers are understandably envious. But it wasn't always this way with the Miller family. Here we see them as they once were — disorganized, hard pressed — and we see how, through proper home management of schedules, responsibilities, privileges, and finances, they begin to enjoy life as they should. The film creates an awareness of the happiness to be gained from a well-managed home and outlines a program for achieving it. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

FAMILY OUTING (NFBC)

The Canadian National Parks offer great opportunities for outdoor living. In this film, a family has taken advantage of the scenic beauty and open setting of Banff National park for a pleasant few days spent away from the noise and crowded atmosphere of city life. Within this great expanse of Nature at its finest, the Canadian government has provided activities to make the tourist's stay there an active and interesting one. (Color) (General)

One reel (800 feet), 15 minutes
Handling charge, \$1.00

FAMOUS FISH I HAVE MET (NFBC)

Gregory Clark and Pete McGillen discuss some of Canada's noted sporting fish — pike, bass, speckled trout, coho salmon, Atlantic salmon, giant tuna. At a sportsman's show, the camera discovers Greg Clark happily dazed by the various displays. But when he finds the fishing section he really comes into his own, and convinces Pete McGillen, a confirmed hunter, of the joys of angling. Shows musky and pike drawn from northern lakes; small mouth bass; speckled trout caught against a background of Rocky Mountains; coho salmon and Atlantic salmon; huge tuna which rival the grizzly bear in size and sport. Well, who wouldn't want to go fishing? (Color) (General)

One reel, 11 minutes
Rental, \$1.00

FAR WESTERN STATES, THE (EB)

Describes the economy of the states of Washington, Oregon, California and Nevada, including a brief historical résumé of progress made in the use of resources in this great region. Sectional contrasts, with respect to climate, topography, people and population densities, are shown. Representative mining, lumbering and agricultural activities are portrayed. The flow of goods exchanged with other sections of the nation is

depicted by means of vivid, animated drawings. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

FARM ANIMALS (EB)

The care and activities of farm animals are presented in this film. Natural sounds are included. The film treats such subjects as feeding and milking cows, feeding calves, newborn calf, feeding horses, watering horses, colt feeding, feeding pigs, currying and harnessing horses, cows drinking and grazing in pasture, goat and kids feeding, sheep grazing, lambs feeding, and sheep shearing. (P-I)

One reel, 11 minutes
Rental, \$2.00

FARM LIFE IN WARTIME (PSCNI)

The farming regions in northern Illinois are presented in this kodachrome film. Divided into the cattle section, the dairy section, the truck garden section, the poultry section, the youth section, and the ideas section, this film visits different farms in the northern Illinois area telling of the modern ways in which the inventive farmer and his family meet the wartime demand for food for the home and battle fronts. (Color) (J-H-C)

One reel (1200 feet), 33 minutes
Handling charge, \$1.00

FARM TRACTOR CARE (STO)

A series of practical field scenes showing the most efficient methods of tractor care. It contains many timely tips that simplify the job of good maintenance. The film dramatizes the important daily services needed to enable an operator to obtain maximum power and long life at minimum cost. (Color) (General)

One reel (1200 feet), 32 minutes
Rental, \$1.00

FARMS AND TOWNS OF SLOVAKIA — DANUBE RIVER (UW)

Here we study people who, living within a mountainous land relatively remote from the highways of communications, have maintained conservative traditions. Isolated from the main currents of Central European life, their standard of farming and industrial practices are relatively poor. However, we see that where highways are being developed, and isolation is breaking down, changes are taking place in the traditional ways of life of these Slavic peasants. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$3.00

FARMER-FISHERMEN — NORWAY (UW)

Here there is the sea and its wealth; there is the rugged, mountainous land with arable areas occupying less of its surface than lakes and other bodies of water.

It is these physiographic aspects of Norway which are at once apparent when the picture begins, with its focus sharpened upon a typical farmer-fisherman coming in from the sea. You live with the family of this fisherman, hear them talk, listen to their music, and observe that their manner of life is born of environment. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

FARMERS AT WAR (OWI)

The war production program of the farmers of America is illustrated in this film. It shows how the farmers of Lancaster County, Pennsylvania, manage by working longer hours and cooperating with their neighbors to meet the need for the greatest output of farm products at a time when there is a serious labor and tool shortage. (H-C)

One reel, 11 minutes
Rental, \$2.00

FARMERS OF INDIA — MIDDLE GANGES VALLEY (UW)

In this film lesson the principle that "life in densely populated, undeveloped lands is marked by great poverty, crowded living conditions, and often famine and disease," is vividly developed. We see that although India is a land of natural riches, most of her people live in great poverty. They have little to wear, too little to eat, and suffer from disease and famine. The common farmer has only a few crude tools with which to work. Overcrowded conditions of living are a marked characteristic of much of the country. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$3.00

FARMERS OF JAPAN (USDA)

No easy life is that of the Japanese farmer. He farms pretty much in the manner his father did and his father before him, using the same primitive tools and getting from the land not much more than a bare subsistence. The film documents the activities of one such farmer — his work and way of life. (I-J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

FARMERS OF THE ANDES (HFE)

A splendid record of the way in which farming is still carried on in remote parts of the world. It describes the farmers' living conditions, their principal grain crops, their primitive methods of threshing and winnowing, and the way in which they meet the problem of high altitude. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

FEDERAL GOVERNMENT, THE (THE PLAN OF ORGANIZATION) (C)

Structure and functions of the federal government are presented here in a manner designed to give audiences a clear-cut picture of the government and an appreciation of its operation. Outlined are the primary divisions of responsibility in the government — legislative, executive, and judicial. The reasons for this division and the problems that arise from the many quasi-legislative and quasi-judicial boards and agencies are also shown. The importance of understanding these things to the maintenance of good, efficient, responsive government is stressed throughout the film discussion. (J-S-A)

One reel (600 feet), 14 minutes
Rental, \$2.50

FEDERAL RESERVE SYSTEM (EB)

Graphically explains the purpose and functions of the Federal Reserve System. Shows how the System, growing naturally out of a national need, was devised to meet certain economic conditions. Covers the period from the money panic of 1907 through World War II, emphasizing historical high spots in the System's development as well as important contributions made by several national leaders. (H-C-A)

One reel (800 feet), 15 minutes
Rental, \$3.00

FEDERAL TAXATION (C)

In discussing taxes with their parents, two children learn the answers to questions which every citizen should study. They learn the constitutional and statutory basis for federal taxation, the need for taxation, various bases for determining the extent of taxation of each individual or group, and finally, the ways in which our tax dollar is used. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

FEEDING FARM ANIMALS (USDA)

Shows the basic principles of feeding farm animals. Correct feeding depends upon the work an animal is to do or the product he is to furnish. (H-C)

One reel (800 feet), 18 minutes
Rental, \$3.00

FEELING OF HOSTILITY, THE (NFBC)

Dramatizes the factors producing resentment and hostility in personal relationships. Death of one parent, resulting in over-dependence on the remaining parent, and the latter's remarriage discourage the child, Clare, in giving love and seeking affectional relationships with others. Fearful of further hurt in such efforts, and finding some satisfaction on others' approval due to

intellectual ability, it becomes very important to Clare to excel, to beat all comers. (C)

One reel (1200 feet), 32 minutes
Rental, \$3.00

FEELING OF REJECTION (NFBC)

A visual case history of a neurotic 23 year old girl. She suffers from physical symptoms, such as headaches, extreme fatigue, dizzy spells. As no physical causes can be found for these symptoms, which none the less are very real and distressing to the patient, she is referred by her doctor to a psychiatrist who is able to uncover the emotional basis for these physical reactions. (C)

One reel (800 feet), 20 minutes
Rental, \$3.00

FIDDLE DE DEE (IFB)

Rhythm in color. To the familiar tune "Listen to the Mocking Bird," thousands of art combinations flow swiftly across the screen in a fantastic color dance of ever changing patterns. Norman McLaren, creator of the film, painted directly on both sides of clear 35 mm. motion picture celluloid by using celluloid dyes, inks and transparent paints. No shooting with any sort of camera was involved. The process is as direct as that of an artist using pigment on canvas or paper and subsequently having it reproduced in color. (Color) (General)

One reel, 5 minutes
Rental, \$1.50

FIELD TRIP (VDE)

Tells the story of how a biology class prepared for, conducted, and followed up on a field trip. The opening scenes show that a variety of materials and experiences aid in the instructional program of classrooms. Objectives and purposes for the trip are established. Shows follow-up activities and reviews principles in the use of any field trip as a learning experience. (Color) (C-A)

One reel, 11 minutes
Rental, \$2.50

FIELD TRIP TO A FISH HATCHERY (C)

A class takes a film field trip to a fish hatchery. They discover the answers to the following questions: Why do we have fish hatcheries? What do they look like? What happens there? How do fish live? You will see fish eggs taken from the female, fertilized, hatched and developed from fry into fingerlings. Important details about the structure of fish and how fish are planted in the streams and lakes are also included. An excellent study in field trip techniques, conservation, biological science and reading background. (I-J)

One reel, 11 minutes
Rental, \$2.00

FIGHT FOR BETTER SCHOOLS, THE (MOT)

The story of how the citizens of Arlington County, Virginia, raised their schools from among the nation's poorest to among the nation's finest. By showing how the people of Arlington planned and worked to improve their schools, the film tells how other communities can work for a better school system. The struggle to improve education in Arkansas, Delaware and Long Island is also shown. (A)

One reel (800 feet), 20 minutes
Rental, \$2.00

FIGHT FOR THE SKIES (OWI)

This is not the story of any particular air battle or air battles but rather the story of the entire strategic and tactical fight for the freedom of the air in Europe. By dramatic vivid motion picture reporting, it conveys to the audience the sacrifices our fighting men made, the material that was expended, the millions of war bond dollars needed to win the freedom of the air in the Pacific. (H-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

FIGHT THAT FIRE (T)

Shows what fire is and how it can be stopped. It gives the fundamental rules of fire precaution and prevention, and explains how to use fire-fighting weapons effectively. (General)

One reel, 10 minutes
Rental, \$2.00

FILING (JH)

The first part of the picture is devoted to the identification of the various parts of a file, and the various types of commonly used files. This is followed with instructions on the correct positions and movements to be used when filing. The uses of various files are shown and explained. The picture closes with instructions on cleaning and caring for files after they have been used. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$2.50

FILING PROCEDURES IN BUSINESS (C)

By showing a typical central filing system in action, this film bridges the gap between theory and practice. Here students will see a large, efficient filing system functioning as an integral part of a well-run business organization. Through this positive approach to the subject, correct procedures are set firmly in mind. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

FILM AND YOU (NFBC)

The film touches on the various ways in which films can be used to improve community life. Illustrations of the effect of films are provided with scenes from films on health, safety, home improvement, and others.

It also effectively points up the way in which community groups and organizations can cooperate in a film council to assure adequate local facilities for film procurement and use. (General)

One reel (800 feet), 18 minutes
Rental, \$2.50

FILM COMMUNIQUE #1 (OWI)

First of a series of monthly pictorial reports made during the war on our war effort. In this issue: civilian war workers rushing completion on military vehicles, troop carrier activity on Wau off New Guinea and finally a reminder that war costs men as well as money. (General)

One reel (1200 feet), 25 minutes
Rental, \$2.00

FILM COMMUNIQUE #2 (OWI)

Scenes of fighter-bombers mopping up over Sicily and sequences from a bomber flight. Views of high Nazi officials praising their industrial workers and engineers for their war effort. (General)

One reel (1200 feet), 25 minutes
Rental, \$2.00

FILM COMMUNIQUE #3 (OWI)

Five parts: LST's putting men ashore under fire in Sicily, a military religious service on Guadalcanal, assembly of U.S. railroad equipment for shipment overseas, P-47's blasting Nazi fighters, and a paratroop attack on Lac, New Guinea. (General)

One reel (1200 feet), 25 minutes
Rental, \$2.00

FILM COMMUNIQUE #4 (OWI)

A review of bomber attacks in the Pacific, honoring of American Negro troops for a record-breaking rebuilding of the airfield at Munda, Lt. Gen. Clark's landing in Italy. (General)

One reel (1200 feet), 25 minutes
Rental, \$2.00

FILM COMMUNIQUE #5 (OWI)

The bloody taking of Tarawa is the chief feature of this issue. P-47's in action in Europe, jungle training in Hawaii and an animated feature, "A Few Quick Facts" conclude the issue. (General)

One reel (800 feet), 20 minutes
Rental, \$2.00

FILM COMMUNIQUE #6 (OWI)

Vivid scenes from the taking of Cape Gloucester and Araws on New Britain Island. Piper cubs directing and checking on artillery fire, a B-24 helping rescue a stranded Liberty ship, and the portable fuel lines

used to carry vital fuel from Italian ports to the front lines. (General)

One reel (1200 feet), 20 minutes
Rental, \$2.00

FILM COMMUNIQUE #7 (OWI)

Highlights of the combined operations action in taking the Marshall Islands. Also shows how units isolated by unmapped jungle are supplied by air. (General)

One reel (1200 feet), 20 minutes
Rental, \$2.00

FILM COMMUNIQUE #8 (OWI)

Some exciting low-level bombing shots, scenes of establishing a beachhead in Italy and the men being attacked by Nazi dive bombers, closing shots show medical care of casualties during battle. (General)

One reel (1200 feet), 20 minutes
Rental, \$2.00

FILM COMMUNIQUE #9 (OWI)

Return of the B-24, "Blue Streak," Private Snafu in "Fighting Tools," and scenes of Gen. Stillwell's American and Chinese troops battling in Burma. (General)

One reel (1200 feet), 20 minutes
Rental, \$2.00

FILM COMMUNIQUE #10 (OWI)

Artillery activity in Italy, footage on aerial combat over Nazi-Holland and France, combat scenes from Bougainville. (General)

One reel (1200 feet), 20 minutes
Rental, \$2.00

FILM COMMUNIQUE #11 (OWI)

Scenes of Task Force 48 in action off Saipan. (General)

One reel (1200 feet), 20 minutes
Rental, \$2.00

FILM COMMUNIQUE #12 (OWI)

How Nazis made swastika emblem of Germany and tried to make it sign of world. Scenes of 72,000 Chinese laborers handmaking an airfield in China. Ski Guys. Retaking of Guam. (General)

One reel (800 feet), 20 minutes
Rental, \$2.00

FILM COMMUNIQUE #13 (OWI)

Most scenes from CBI theatre. (General)

One reel (800 feet), 17 minutes
Rental, \$2.00

FILM TACTICS (USN)

Dramatic and human-interest demonstration of the consequences of teaching mistakes in the use of a

training film, and a convincing portrayal of the correct way to use motion pictures in education. (General)

One reel (800 feet), 20 minutes
Rental, \$2.50

FIND THE INFORMATION (C)

By learning how indexes are prepared, students discover how great a collection of information they contain, how they can be easily read, and, moreover, to what extent information is available through indexes in every library. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

FINDING THE RIGHT JOB (C)

This is a vocational guidance film that gets down to actual facts in the problem of finding a job. Presents job-lead sources, placing emphasis on some of the crucial stages in obtaining a job. It establishes a process of weighing offers in terms of future goals and what the company has to offer. (H-C)

One reel, 10 minutes
Rental, \$2.00

FINDING YOUR LIFE WORK (VGF)

Opening with an attractive picture of a boy fishing, this film quickly leads up to the fact that experienced fishermen are particular about their baits. In getting a job, the baits required are personality, training and experience.

Then follows in sound and picture a fine discussion of these important points:

1. You must know yourself, your strong points, weaknesses, likes and dislikes.

2. Get a broad view of many vocations.

3. The contributions which the many departments of the school can make to the preparation of the boys and girls for their life work.

4. To perform your life work properly there must be excellent coordination of the mind and body.

5. Like a building, your life must be built on a carefully planned foundation: health, character, general education, citizenship, special interests and abilities, ambition, willingness to work, knowledge of self, special training.

6. Don't believe those who say there are no opportunities any more. Somewhere in this broad land there is a chance for you to make a living and lead a happy life. Americans have always made their opportunities. It's up to you to make yours! (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

FIRE (EB)

Describes domestic uses of fire, principles of combustion, nature of fire hazards and principles of fire-extinguishing. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

FIRE AND POLICE SERVICE (VGF)

Typical examples of the examination requirements, tools and apparatus which must be handled with skill and teamwork expected of a fireman illustrate the first part of the film. Types of police work, the training necessary and opportunities within the field conclude this vocational guidance subject. (H-C)

One reel, 11 minutes
Rental, \$2.00

FIRE CONTROL (JH)

The film shows graphically, with animated diagrams and actual photography of cutaway engines, how the modern cylinder head has been designed to provide efficient fire control.

The student sees how the spark plug fires in the automobile engine, igniting the gas which forces the piston down in the power stroke. The part played by the cylinder head in controlling the speed with which the gas burns is demonstrated. The shape of the combustion chamber is shown to be designed so that the engine extracts from each bit of gasoline burned all the power for efficient engine performance. (J-H-C)

Three-fourths reel, 8 minutes
Rental, \$1.50

FIRE WEATHER (USDC)

Shows how the U. S. Weather Bureau gathers forest fire weather data and distributes warnings of fire hazards. (J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

FIREMAN (TOM)

How do firemen get upstairs? What kind of clothes do firemen wear? Where do firemen eat and sleep? What goes on in a fire-station all day long? Primary graders posed the questions *Fireman* answers. Here is a picture revealing today's trained fire-fighter as he really is. (Color) (P-I)

One reel, 11 minutes
Rental, \$4.00

FIREMAN, THE (EB)

Portrays in detail the organization and activities of a company of firemen in a modern city. Care of equipment, drills, testing of trucks, hose ladders and life-saving devices are shown in typical settings. A real fire affords an opportunity to observe the firemen answering the alarm and extinguishing the blaze with the latest type of fire-fighting apparatus. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

FIREPOWER (OWI)

Dramatizes the vital need for all types of guns and ammunition, showing how nations which did not have sufficient firepower fell before the Nazis. Sequences tell

how men and women of those nations are now working along with our workers. The film ends with a great demonstration of American weapons. (H-C)

One reel, 12 minutes
Handling charge, \$2.00

FIRST AID FOR WOUNDS AND FRACTURES (EB)

This excellent picture focuses attention on the need for first aid knowledge and describes proper procedures in caring for an injured person from the time of injury until medical aid arrives. Methods of applying pressure at different parts of the body for stopping arterial bleeding are demonstrated. Animated drawings clarify anatomical and physiological features. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

FIRST IN THE HEARTS OF FARMERS (AP)

This film is woven around some of the farming experiences of George Washington and the emphasis he placed on plant food in a well-rounded land management program. It brings to life our first president's farming practices and observations. It also takes the technical facts about fertilizer use and soil management and makes them into an interesting, vital story. The film impresses on its viewers the importance of soil fertility to profitable farming operations. (General)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

FIRST STEPS (FPS)

Concerned with the training of children crippled by paralysis, in a program designed to help them become normal citizens, useful to themselves and to society. Demonstrates how training and practice in the handling of toys and hobby materials can be transformed into handling of tools and utensils necessary for normal living. Taken in a summer camp for these children, the film ends as a little boy leaves his parents to take his first unaided steps on a crowded city street. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

FIRST STEPS IN FIRST AID (USBM)

Opening scenes depict various accidents—burns, falls, cuts, and traffic accidents. In regard to a typical accident, the film portrays, first, what not to do, and then the correct manner of handling the case.

It demonstrates symptoms and treatment for shock, treatment for bleeding and burns, and warns against wound infection, advocating the use of antiseptics and bandaging of wounded areas. (J-H-C)

One reel (1200 feet), 31 minutes
Handling charge, \$1.00

FISHING THRILLS (UW)

Is designed for devotees of Isaac Walton. You don't wait for a bite, a thrill or a fish in this exciting film. The camera goes where the gamsters hungrily eye the bait and strike with a flash of silver scales. You hold fast to a bending rod, you give a fighting fish more line, you meet his vicious rushes, you strain to reel him in, you win the battle. You'll know the feel of it, the thrill of it every time you enjoy this great home movie on your own screen. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

FIT AND FAIR (RH)

This film is designed for the teen-age girl, demonstrating the basic rules of health and beauty for that age. The do's and don'ts of posture, poise, diet, and grooming are presented, showing girls and young women how to utilize the routine motions of daily living to develop a sound and beautiful body. It also shows how to select the right foods and how to use make-up with natural effect. (General)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

FIT TO WIN (TFC, Restricted to Classroom Use)

A portrayal of various athletic exercises and activities, all of which are aids to health. A large group of girls on an athletic field swing Indian clubs in unison. Danish athletes illustrate the exercises developed to build strong backs and waists. Naval Academy students perform on the rings, parallel bars, horses, etc. Joe Louis is seen punching the bag and in the training ring. Young thoroughbreds are shown with their forelegs taped in the field. Several boatloads of college crew aspirants are seen in practice spins. A football team practices tackling on dummies, also kicking and passing. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

FIVE COLORFUL BIRDS (C)

In their natural habitats scenes of goldfinch, cedar waxwing, yellow-headed blackbird, red-headed woodpecker and bluejay. (Color) (I-J-C)

One reel, 10 minutes
Rental, \$3.00

FIVE FILM EXERCISES (Whitney)

An experiment with abstract art on film. An adaptation of the standard optical printer, paper cutouts, pantographs, and color filters supply the image. The sound track is also synthetic and is made mechanically. Thus both image and sound are at the same time infinitely variable and positively controllable, and

the technique evolved permits a unified approach to the potentialities of the film medium. (Color) (C-A)

One reel (800 feet), 22 minutes
Rental, \$6.00

FIXED GAGES (USOE)

Speed, without losing precision, during this period of national defense makes the use of fixed gages more important than ever before. The various types of go-no-go gages are explained and flush pin, taper ring and taper plug gages are all shown in actual use. Animated drawings are used to give the student the proper conception of "tolerance." Throughout the entire film the student is constantly reminded of the importance and necessity of acquiring the correct use and proper care of fixed gages. (H-C)

One reel (800 feet), 22 minutes
Rental, \$2.50

FLAG SPEAKS, THE

(TFC, Restricted to Classroom Use)

Represents the flag, symbol of freedom and democracy for hundreds of social and racial divisions of 133 millions of people, and cites significant events in its autobiography. The final sequences are a guide to the correct use of the flag and correct manners of salute, closing with the singing of "America the Beautiful." (Color) (I-J-H-C)

One reel (800 feet), 19 minutes
Rental, \$3.00

FLAGS ON DUTY (F)

For centuries the flag has been used to serve mankind as a symbol of things dearest to man's heart. A brief historical introduction shows ten of the more important flags of the United States. The upholstery shop where Betsy Ross made her flag and Independence Hall are shown. The English and French ships, at war, are shown with only one spot of color—the flag. The uses of flags for signalling are also shown. (General)

One reel, 11 minutes
Rental, \$3.00

FLATBOATMEN OF THE FRONTIER (EB)

Reveals how the early settlers of the Ohio Valley were required to be "Farmer Boatmen" through their dependence on the soil for livelihood and on the rivers for transportation. Good frontier personalities, speech, and music are interwoven throughout. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

FLEET THAT CAME TO STAY (OWI)

Splendid scenes of Navy resistance to Kamikaze attacks. (General)

One reel (800 feet), 22 minutes
Rental, \$2.00

FLIGHT OVER THE ARCTIC (AAER)

The geography of "Greenland's Icy Mountains" and the continental ice cap are shown in this film. (I-J)

One reel, 11 minutes
Rental, \$2.00

FLOOD WEATHER (USDC)

In this film is featured the Potomac and Ohio River floods to show weather forecasting for river navigation and flood protection. (J-H-C)

One reel (1200 feet), 35 minutes
Handling charge, \$1.00

FLOORWALKER, THE (BRF)

Presents Charlie Chaplin in slapstick tradition with the action built around a moving staircase in a department store. Charlie's resemblance to the floorwalker begins by both thinking they are looking in the mirror. Shows a hilarious chase down the escalator moving up. (General)

One reel (800 feet), 20 minutes
Rental, \$4.00

FLOW OF ELECTRICITY (YA)

Presented in this film, through simple demonstration, are the factors that affect the flow of electricity in a simple circuit and the application of such a circuit in the home. (I-J)

One reel, 10 minutes
Rental, \$2.00

FLOWERS AT WORK (EB)

The parts and the physiology of plant flowers are artistically presented by animation. Time-lapse photographs, as well as animated diagrams, present various types of flowers and different methods of pollination. The relation of insects to cross-fertilization of flowers is clearly illustrated. The picture closes by showing how man has modified the form of flowers by cultivation. (I-C)

One reel, 11 minutes
Rental, \$2.00

FOOD (YA)

Discusses and illustrates the storing, salting, canning, dehydrating, and freezing methods of food preservation. The reasons for food spoilage are explained in detail. (H-C-A)

One reel (800 feet), 17 minutes
Rental, \$2.00

FOOD AND SOIL (USDA)

Attempts to make three points. These are that all the food we eat, with the exception of sea food, comes directly or indirectly from the soil, that this soil, upon which our very existence and way of life depend, is being wasted at an alarming rate and lost forever, and that conservation farming methods which protect and rebuild the soil must be used where needed if our na-

tional appetite is to be satisfied and our standards of health maintained. These points are presented in a simple, direct, and pleasing manner. (Color) (H-C)

One reel, 11 minutes
Rental, \$2.50

FOOD FOR FIGHTERS (OWI)

No longer are beans the mainstay of a soldier's diet. Today the science of nutrition has gone to war and under the supervision of scientists and technicians, American soldiers are the best fed army in the world. This film shows how the Quartermaster Corps of the U.S. Army goes about feeding millions of American soldiers. (J-H-C)

One reel, 10 minutes
Handling charge, \$1.00

FOOD FOR PARIS MARKETS — FRANCE (UW)

How large cities depend upon productive rural hinterlands to supply them with food is the lesson presented in this film. Paris, the "primate" city of France, is one of the largest four cities on the mainland of Europe. Fortunately it can be reached easily from all parts of the country. And equally fortunate, France has within its borders many areas of fertile land. Hence France can feed the people of Paris and the rest of the country. It is one of the Western European countries which has achieved a large degree of self-sufficiency in food supply. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

FOOD FOR THOUGHT (USDI)

The school lunch manager is an important member of the faculty. Shows her work in menu planning and serving. Fish is taken as an example of the meat dish in a school lunch. The processing of fillets from the time the fish are caught until they reach the table is shown. (Color) (J-H)

One reel (800 feet), 22 minutes
Handling charge, \$1.00

FOOD STORE (EB)

Jack and Ann help their mother in selecting produce, canned goods and watch a butcher cut a roast. (P-I)

One reel, 10 minutes
Rental, \$2.00

FOOD THAT BUILDS GOOD HEALTH (C)

Relationship of good health to the foods we eat and what foods our bodies need is stressed in this motion picture. Students will see irritability, lack of energy and physical weakness as just one result of a poor, unbalanced diet based on eating "what they want" rather than what they need. How eating the right foods in the right amounts regularly contributes to building strong, healthy bodies is shown. (I-J-A)

One reel, 11 minutes
Rental, \$2.00

FOOD — WEAPON OF CONQUEST (EFLA)

Is based on captured German war films, Allied newsreels and original documentary material filmed in Montana, Pennsylvania, Iowa, the Canadian Northwest and Britain. The film shows how extensively our enemies and our allies have applied their knowledge of energy-giving foods to feed the armed forces, why the Western Hemisphere must undertake to feed the whole world during the war, why natural resources must be planned for use and not exploited for markets alone, and how starving people may be forced to submit to regimes that they despise. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$2.50

FOODS AND NUTRITION (EB)

Animated treatments portray normal dietary requirements of carbohydrates, fats, proteins, minerals, vitamins, and water. The absorption of sugars by the blood stream and their transformation to glycogen in the liver, together with the absorption and storage of fats are explained. The metabolism of carbohydrates, fats, and proteins in the body, and the technique of determining the basal metabolism rate are portrayed. Microphotography shows the growth of tissue culture. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

FOOTBALL BY THE CODE (IHSA)

Transposes the rules of the game from the printed page to motion picture sequences. It is designed to be of service to officials, coaches, and players. It will assist students and fans to acquire a knowledge of the rules of the games and an appreciation of the niceties of "inside information." Available to I.H.S.A. members. (H)

One reel (1200 feet), 30 minutes
Rental, \$2.00

FOOTBALL PARADE OF 1945 (UW)

Film highlights of Army-Navy, Columbia-Yale, Georgia Tech-Tulane, Notre Dame-Illinois, Washington-So. California, Navy-Notre Dame, Michigan-Ohio State, Indiana-Purdue and Purdue-Ohio State. (General)

One reel, 10 minutes
Rental, \$2.00

FOOTBALL PARADE OF 1946 (UW)

The most thrilling highlights of a great football season are shown. Included are the Army-Navy, Army-Columbia, Georgia-Alabama, Notre Dame-Iowa, Penn-Navy, Texas-Oklahoma and Illinois-Pittsburgh game. (General)

One reel, 10 minutes
Rental, \$2.00

FOOTBALL PARADE OF 1947 (UW)

Film highlights of Penn-Columbia, UCLA-Southern California, Syracuse-Penn State, Yale-Harvard, Okla-

homa-Georgia, Michigan-Illinois, Notre Dame-Tulane, Army-Navy. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

FOOTBALL PARADE OF 1948 (UW)

Thrill packed plays and dramatic moments seen from the perfect vantage point as the greatest college teams meet on the gridiron. Here is the best in football. (General)

One reel, 10 minutes
Rental, \$2.00

FOOTBALL PARADE OF 1949 (Castle)

Highlights of the season's outstanding games. (General)

One reel, 11 minutes
Rental, \$2.00

FOOTBALL THRILLS OF 1939 (ICS)

Carnegie-Pitt; Northwestern-Oklahoma; Pennsylvania-Michigan; Minnesota-Michigan; Harvard-Princeton; Cornell-Ohio State; Notre Dame-Navy; New York University-Missouri; Yale-Harvard; Army-Navy are the games shown in this movie. (J-H-C)

One reel, 10 minutes
Rental, \$1.50

FOOTBALL THRILLS OF 1940 (ICS)

Those who have relived yelling pandemonium after a 60-yard run to a touchdown . . . those who have thrilled to sensational passes and trick plays know what this movie has in store for them. Only the crucial meetings of our great elevens and only the stellar plays of these games are selected for review. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

FOOTBALL THRILLS OF 1941 (ICS)

Highlights of the 1941 gridiron season are brought out in dramatic review: Fordham-Southern Methodist; Duquesne-St. Mary's; Yale-Princeton; Minnesota-Northwestern; Columbia-Princeton; Duke-Georgia Tech; Notre Dame-Navy; Harvard-Yale; Army-Navy. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

FOOTBALL THRILLS OF 1942 (ICS)

Shows exciting portions from the following football games: Army-Navy, Harvard-Yale, Ohio State-Michigan, Northwestern-Illinois, and many others. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

FOOTBALL THRILLS OF 1943 (ICS)

The best moments from the big games of the past season are shown in this sports review. Although the

film will be of interest to everyone, it is especially useful to football coaches and players. The fine points of good football—smooth playing, good teamwork, and anticipatory action—make this fast moving film particularly valuable. (General)

One reel, 11 minutes
Rental, \$2.00

FOOTBALL TODAY (IHSA)

Facts and interpretations of the high school game. Available only to I.H.S.A. members. (H)

One reel (1200 feet), 30 minutes
Rental, \$2.00

FOR HEALTH AND HAPPINESS (USDA)

The picture illustrates the dependence of good growth on nutrition and shows the food groups that make up the diets that have contributed to an all-round development of the child from infancy to maturity. (H-C)

One reel, 11 minutes
Rental, \$2.00

FOR SOME MUST WATCH (ILI)

In every American community, there is among its leaders a man, or woman, who goes quietly, modestly about the task of making his town, his neighborhood, a better place in which to live, contributing in large measure to the happiness and well being of his fellow men—as does Jack Sutton, life insurance agent in the town pictured in this film. (General)

One reel (1200 feet), 30 minutes
Handling charge, \$1.00

FOR YEARS TO COME (CC)

Is a faithful presentation of one farmer's experience in changing over to soil conservation farming. The camera follows the farmer and his family in their activities for one year—from harvest to harvest. The picture shows in detail how soil conservation farming is started and carried on. (Color) (H-C)

One reel (800 feet), 20 minutes
Rental, \$2.50

FORCE AND MOTION (C)

Here we see how a young boy's curiosity leads him to investigation and comprehension of force, mass, acceleration and their interrelationships. The film also portrays visually the effects of the basic laws of mechanics and Newton's Three Laws of Motion, and introduces the student to such terms as inertia, momentum and reaction. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

FOREST AND CONSERVATION (C)

Color film study of the problem of how to conserve and utilize our forest resources. Shown is correct logging, reforestation and fire-fighting. (J-H-C)

One reel, 10 minutes
Rental, \$3.00

FOREST CONSERVATION (EB)

Calls attention to the many ways in which man has unwittingly depleted the forest by greedy and ignorant exploitation for his own gain. Forecasts the dire and dangerous results of this exploitation if it is continued. Suggests finally what is being done and must continue to be done in order to save the forest and its vast resources. (Color) (J-H)

One reel, 11 minutes
Rental, \$3.00

FOREST GROWS, THE (EB)

Presents the story of how our forests grow. Points out and describes the various elements that contribute to the mature forest, emphasizing the unique contribution of each element. Explains forest zones in relation to temperature and rainfall, and defines the phrase "the climax forest" in terms of dominating species that predominate when the forest is mature. (Color) (J-H)

One reel, 11 minutes
Rental, \$3.00

FOREST PRODUCES, THE (EB)

Portrays the development by the forest of the great life-giving resources which man exploits. Describes timber and how it grows; explains the watershed's vast underground reservoir, and recalls the facilities of the forest for man's use in physical and spiritual recreation. Implanted in the film are hints as to how these forest resources are threatened by man. (Color) (J-H)

One reel, 11 minutes
Rental, \$3.00

FOREST RANGER, THE (USDA)

Depicts the training and year-round activities of these guardians of our national forest resources. The wide range of these activities is portrayed: protecting of the forest against fire, timber thieves; gathering data for the United States Weather Bureau; rescuing the snowbound; protecting the range against overgrazing; safeguarding of wild life; and carrying on educational work among children and adults for the preservation of our national resources. The commentary is excellent. (I-J-H-C)

One reel (1200 feet), 30 minutes
Rental, \$3.00

FORESTRY AND FOREST INDUSTRIES (VGF)

Examples of the general kinds of occupations found among the one million people engaged in the harvest-

ing, processing and distribution of forest products are well illustrated. Scenes and information about the working conditions are also a part of this guidance film. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

FORGOTTEN VICTORY

(TFC, Restricted to Classroom Use)

In 1898 Mark Carleton, a grain investigator for the Department of Agriculture, was assigned to find a cure for grain ailments such as "peat rust." Carleton's discovery of a hard wheat called "Kubanka" and of his difficulty in getting the adequate machinery installed in America for handling the hard grain is illustrated. (H-C-A)

One reel, 11 minutes
Rental, \$2.25

FORMING ALUMINUM — BLANKING AND PIERCING (USBM)

The techniques of blanking and piercing are profusely illustrated by animated drawings throughout the film, which opens with a description of the tools employed and the material used in blanking, followed by the operations of the die and punch. The film closes with a summary of instructions on design, lubrication, and maintenance of tools. (H-C)

One reel (800 feet), 15 minutes
Handling charge, \$1.00

FORMING ALUMINUM — DRAWING (USBM)

The techniques of sheet metal working are illustrated by animated drawings throughout this film, which opens with reference to the properties of cold-working and heat-treatable aluminum alloys, and the purpose of heat-treating and refrigerating the metals. The functions of the single-action and double-action or toggle drawing press are described. The film closes with a summary of operations and instructions on selection of metal and use of tools. (H-C)

One reel (800 feet), 22 minutes
Handling charge, \$1.00

FORMING ALUMINUM — GENERAL SHEET METAL PRACTICE (USBM)

The techniques of sheet metal working are illustrated by animated drawings throughout the film, which opens with a description of aluminum alloys and their designations. There follow references to the heat treatment and degrees of hardness of metals, the art of shaping, the choice of tools for working, and stresses and flow of metal which take place when metal is bent. (H-C)

One reel (800 feet), 21 minutes
Handling charge, \$1.00

FORMING ALUMINUM — SPINNING (USBM)

The techniques of metal spinning are illustrated by animated drawings throughout the film, which opens

with a description of standard tools required and their operation, and shows that tools developed by metal spinners have individual characteristics. We see the functions of spinning tools; the laying down, beading, and cutting or trimming tools; and the importance of smooth tool faces. (H-C)

One reel (800 feet), 17 minutes
Handling charge, \$1.00

FORMING ALUMINUM—TUBE AND SHAPE BENDING (USBM)

The techniques of bending are profusely illustrated by animated drawings throughout the film. Problems in tube bending, the principal factors involved, such as alloy, thickness, size, and shape of the tube are discussed. In conclusion we see a recapitulation of instructions on machine bending and the importance of smooth finish on contact surfaces of bending tools. (H-C)

One reel (800 feet), 13 minutes
Handling charge, \$1.00

4-H CAMPING IN WESTERN ILLINOIS (UI)

A color-sound movie showing the campsite and a typical day's program for 4-H boys and girls. It was prepared especially for the 4-H Club Camp Fund Campaign in Western Illinois. (Color) (General)

One reel, 11 minutes
Rental, \$2.00

4-H PHYSICAL FITNESS (UI)

A typical 4-H Fitness Field Day as it has been conducted in 75 Illinois counties during the last 5 years. Tests and measurements are given 4-H members to determine each member's level of fitness. A member is retested from year to year to determine his progress in physical fitness. Conditioning and training exercises are also shown. (Color) (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$2.00

4-H SWIMMING (UI)

Shows the steps used in teaching 4-H Club members to swim. Swimmers are classified into four groups on the basis of their present skill. Stunts used in teaching the beginners and the tests passed as the swimmer advances to the next class are shown in detail. The program is built upon teaching groups sea-worthiness rather than coaching a racing team. (Color) (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$2.00

4-H TUMBLING (UI)

This film, in sound and color, shows the essential steps in training tumbling teams for the 4-H Tumbling Tournament which is held each year at the Sports Festival in Urbana, Illinois. It shows how to build three pyramids and to perform three tumbling routines. The

championship tumblers are shown in action at the tournament. (Color) (General)

One reel, 11 minutes
Rental, \$2.00

49TH STATE (RKO)

Tells the dramatic story of how the Hawaiian people, as full members of tomorrow's America, have abandoned dreamy native ways for business, industry, and education. Hawaii's fields, factories, and colleges rival any on the mainland. (General)

One reel (800 feet), 17 minutes
Rental, \$2.50

FRANCE: BACKGROUND FOR LITERATURE (C)

Takes your students to the France of Hugo, Balzac, Maupassant, Dickens, and Poe to see for themselves the places where their famous stories were set. Here the moods and emotions of France are captured and presented as an authentic background for discussion and special class projects. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

FRED MEETS A BANK (C)

This story of a bank and its functions presents the purpose and handling of a check, opening a savings account, securing a loan, and a visit to the safety deposit box. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

FREE AIR (JH)

Free air deals mainly with oxidation—the burning of fuel—in the internal combustion gasoline engine. We are shown that oxidation is the combination of oxygen with another substance, and that in the presence of enough oxygen even steel shavings will burn. The explosions which take place in the combustion chamber of the engine are shown to be a rapid combining of oxygen with the fuel—gasoline.

To get the maximum energy out of fuel, air and fuel must be mixed in proper proportions. How this proper mixture is obtained is dramatically shown in an effective visualization of vaporization of gasoline and its mixture with air.

Extremely interesting and informative are tests and demonstrations which make clear many complex operations and processes. (J-H-C)

One reel, 9 minutes
Rental, \$2.00

FREE HORIZONS (FI)

Deals with the action taken by our government to preserve untouched portions of America in National Parks for the use and enjoyment of all, and to con-

serve vast tracts of forest land in National Forests for the protection of our dwindling timber supply. (J-H)

One reel (800 feet), 22 minutes
Rental, \$2.50

FREEDOM COMES HIGH (OWI)

A woman at home and a man in the war — this is the story of Ellen and Steve — Ellen who works in a war plant, and Steve who is aboard a destroyer somewhere in the South Pacific. It portrays Steve's courageous decision to sacrifice his life for the cause of freedom, knowing in his heart that those at home will understand. (H-C)

One reel (800 feet), 19 minutes
Handling charge, \$2.00

FREEDOM RIDES ON RUBBER (FC)

Opens with the history of the development of the rubber tire, showing how research workers have met and conquered each new problem. Today, with the increasing demands for rubber and an ever-diminishing supply, scientists are faced with the task of developing a successful substitute. The manufacture of synthetic rubber is clearly illustrated from the beginning process to the finished product. (H-C)

One reel (1200 feet), 28 minutes
Handling charge, \$1.00

FREEZING FRUITS AND VEGETABLES (USDA)

A complete story on the preparation of frozen fruits and vegetables which make possible the serving of spring and summer fruits and vegetables any time of the year. (Color) (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$4.00

FREIGHT YARD (NYC)

Demonstrates the organization which is essential to efficient and rapid transportation of the nation's freight. Emphasis is placed upon the types of modern equipment and safety devices employed, together with the inspection and testing thereof to insure safe operation. (I-J-H-C)

One reel (800 feet), 22 minutes
Handling charge, \$1.00

FREIGHTER AT SEA (A)

Shows life aboard a freighter at sea. The activities of the officers and crew in operating the ship are shown. (P-I)

One reel (800 feet), 17 minutes
Rental, \$2.50

FREIGHTER IN PORT (A)

Shows and defines the various parts of the ship and their uses. Animated drawings and a model show how the cargo booms and winches work in handling the cargo. Points out that the ocean freighter is important

to all of us because it brings to our country many raw materials and products we need and it carries the products of our forests, farms and factories to all parts of the world. (P-I)

One reel (800 feet), 14 minutes
Rental, \$2.50

FRENCH-CANADIAN CHILDREN (EB)

Provides an intimate study of the winter home life, environment, and activities of a typical French-Canadian farm family in the Province of Quebec. Reproduced conversations reflect the continuing influence of the French language and customs. School life, ice cutting, rug making, food preparation, and maple syrup refining make up captivating sequences. (P-I-J-H)

One reel, 10 minutes
Rental, \$2.00

FRENCH CHILDREN (EB)

Shows in magnificent photography the life of a typical French family on a farm in Brittany, near the mediaeval town of Dinan. Here is an intimate glimpse of a French family: Mother, Father, Grandfather, and three children plying their chores, making butter in old-fashioned churns and living the austere but quaint life of French peasants in surroundings that change little with the years. (P)

One reel, 11 minutes
Rental, \$2.00

FRICTION (YA)

Introduces the student to the nature of friction as a restraining force with which he must contend in everyday life. It explains the ways in which we try to reduce friction when it is undesirable, and the ways in which we try to increase it when it is helpful. (I-J)

One reel, 11 minutes
Rental, \$2.00

FRIENDS OF THE AIR (UW)

Stresses the important part our friends the birds play in our war on insects. The characteristics of some of the most common ones are vividly pictured. The picture is filmed in Kodachrome and brings out in actual and vivid detail the colors of the various birds. (I-J-H)

One reel, 11 minutes
Rental, \$2.50

FRIENDSHIP BEGINS AT HOME (C)

Is a discussion of the adolescent's relationship with the family, stressing the fun of doing things in a family group, and treating parents, brothers and sisters with respect and affection. (J-H)

One reel (800 feet), 17 minutes
Rental, \$3.00

FRISKY, THE CALF (C)

It is the story of a lovable little calf and takes children into the barnyard where they see how the little animal is handled. Designed to stimulate youthful interest in the world about them and to provide a valuable background for reading and discussion. Can be used for a variety of social group purposes as well as for classroom study. (P-I)

One reel, 11 minutes
Rental, \$2.00

FROG (EB)

The entire life cycle of the frog is presented. Stop-motion scenes and microscopic views show the development of the embryo in a continuous scene of only a few seconds. The several changes taking place in the tadpole stage are carefully portrayed. Slow-motion photography demonstrates the graceful movements of the frog in jumping. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

FROM TEE TO GREEN (NFBC)

A tour of five Canadian golf courses, from Newfoundland to Vancouver Island. Setting out to hitchhike across the country, a youngster earns his way by caddying at courses in each province, including the courses in such national parks as Prince Albert and Banff. Final scenes are of Bing Crosby enjoying a game at Jasper. (Color) (General)

One reel, 12 minutes
Rental, \$1.00

FRUITS, VEGETABLES, AND COOPERATION (USDA)

Gives picture of opportunities derived from cooperative work. Settles problems of growing, selling, assembling, packing, and shipping so that the farmers can produce to the best advantage. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$4.00

FRUSTRATED STUDENT: THE DROP OUT (McGH)

Examines the causes which lie behind many adolescents' quitting school as soon as the law permits. Reveals the frustration of natural interests in a school situation that bears no relation to everyday life. Restates the principle that school must provide a program that offers each child a chance to grow. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$4.00

FRUSTRATED STUDENT: THE STAY IN (McGH)

By enlarging on the theme stated in The Drop Out, demonstrates that the school curriculum oriented in terms of growth of the "whole child" instead of in

terms of subject matter results in a happy well-adjusted school environment that contributes to each child's physical, emotional and mental maturity. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$4.00

FRYING PAN AND THE FIRE (USDA)

Aimed primarily at the hiker and camper as a part of the cooperative forest fire prevention campaign. (Color) (J-H-C)

One reel (800 feet), 18 minutes
Rental, \$4.00

FUELS AND HEAT (EB)

Explains the role of carbon in fuels, the manufacture and storage of carbohydrates by plants, the way in which coal and oil were produced by nature, and how man extracts them. Animated photography also describes molecular action in portraying the relation of heat to temperature. Also clarified by this medium are the operations of both steam and internal combustion engines. The film is well adapted to upper elementary grade science courses of study. (J-H)

One reel, 11 minutes
Rental, \$2.00

FUN OF BEING THOUGHTFUL (C)

Behind courtesy, behind all social adjustment, lies the complex skills involved in insight into the motives, tastes, and desires of others. We call this insight thoughtfulness. It is expressed in hundreds of small and large ways, in speech, silence, action and inaction. May be used in social studies, in language arts, in home economics, or in any group where improvement of group and personal relations is either an immediate or long-run goal. (J-H-A)

One reel, 11 minutes
Rental, \$2.00

FUN OF MAKING FRIENDS, THE (C)

What are the values of friendship? How do you make and keep friends? These are just a few points about friendship that are dealt with in this film. Designed to help teachers guide classes to a realization of what friends are and how easy it is to be friendly. (P)

One reel, 11 minutes
Rental, \$2.00

FUN ON THE PLAYGROUND (EB)

Portrays a group of children engaged in constructive play activities during school recess. The film depicts three types of games: those which children invent themselves; those learned under supervision but carried on by the children alone; and those which represent dramatic play growing out of school activities. (P-I)

One reel, 11 minutes
Rental, \$2.00

FUN THAT BUILDS GOOD HEALTH (C)

All children need to learn many different kinds of play—in groups or alone—at active physical activities or at quiet games and pastimes. By presenting a variety of choices of recreation in terms of good times and good health, this film will have a direct effect on the play activities of children. (P-I-A)

One reel, 10 minutes
Rental, \$2.00

FUNDAMENTALS OF ACOUSTICS (EB)

The phenomenon of hearing and the modification of sound between the source and the hearer are emphasized in this film. The specific elements explained or demonstrated are velocity of sound, refraction, range of hearing, lowering intensity, attenuation in air, eliminating high and low frequencies, reverberation and focussing of sound. Extensive use is made of animation and sound effects. The film concludes by indicating advances in communication which have resulted from combining our knowledge of sound and of electricity. (J-H)

One reel, 11 minutes
Rental, \$2.00

FUNDAMENTALS OF BASKETBALL (C)

Branch McCracken, Indiana coach, uses his squad to illustrate stance, ball handling, shooting, defensive play and importance of teamwork. (J-H)

One reel (800 feet), 14 minutes
Rental, \$3.00

FUNDAMENTALS OF DIET (EB)

An introductory sequence outlines the types of food provided by nature for animals and man. Emphasis is placed upon the fact that many of the foods which man has learned to eat are provided by nature for her young—both plants and animals. By experiments with animals, the results of diet deficiencies are illustrated. The ideal diet is discussed, and suggestions are made for selecting intelligently from the classes of foods, those needed to keep one's body strong and healthy and one's mind alert. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

FUNDAMENTALS OF PUBLIC SPEAKING (C)

Importance of public speaking in a real-life school situation is stressed in this film which follows up with the steps in achieving an effective speech. How to analyze a speech situation, how to plan and how to deliver a talk that will get results is told in this very practical motion picture. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

FUNDAMENTALS OF TENNIS (BFS)

Donald Budge demonstrates the many basic points that result in winning form. Simple forehand, backhand and service strokes, as well as the more advanced strokes, are analyzed and helpful suggestions for their proper execution are clearly demonstrated. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

FUNDO IN CHILE (OIAA)

Life on one of the great agricultural estates of Latin America, as large as many a North American county, is the theme of this film. The community of hundreds of workers, their use of modern methods and machinery, the activities of their own school and services of their own church are pictured. This is a useful teaching film revealing a way of life largely unchanged, in spite of some modern practices on this particular plantation, since these estates were founded. (I-J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

FUNGUS PLANTS (EB)

Major emphasis is given to the various mushrooms whose growth and reproduction are illustrated by time-lapse photography and animation. Molds and other fungi are also presented by these same techniques. The economic importance of these plants is definitely shown by both the photography and the narrative in their use as food, their destruction of dead organic matter and their cause of disease in plants. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

FUNNY BUSINESS (RKO)

The story of the comic strip industry and the folk reading of a nation—the realm of make-believe ruled by high adventure, suspense and the belly laugh. (General)

One reel (800 feet), 18 minutes
Rental, \$2.50

FURNITURE CRAFTSMEN (EB)

Describes the roles of the designer and skilled craftsmen in making custom-built furniture. Pattern making, laying out, band sawing, power planing, joining, lathe turning, grooving, gluing, carving, and finishing stages are studied in close-up detail. The interrelation of hand and machine-tool operations and skills required for precision woodworking are demonstrated throughout. (H-C)

One reel, 10 minutes
Rental, \$2.00

FURY IN THE PACIFIC (OWI)

This is the first film produced jointly by the armed forces for public showings, combining footage

from the Army, Navy, Marine Corps, Coast Guard and Army Air Forces. It unfolds with dramatic vigor the problem of a typical combined amphibious action in the Pacific. (H-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

GAGE BLOCKS AND ACCESSORIES (USOE)

Explains why accessories are used with gage blocks, shows how to inspect a plug gage, an adjustable snap gage, a profile gage, a ring gage, and a screw-thread pitch. (H-C)

One reel (800 feet), 23 minutes
Rental, \$2.50

GALLUP POLL (TFC, Restricted to Classroom Use)

The film opens with discussion of the Gallup Poll, what it is, how it functions, and indicates that before the advent of accurate polls it was decided by guesswork what trend elections, etc., were taking. Following this introduction, Dr. Gallup is presented and briefly states the object and benefits of taking various polls. We then are shown the Gallup office in operation, with many girl clerks sorting, filing and counting returns. Then to the field force and interviews with various strata of American life, questioning machinist, barber, housewife, student, etc. (J-H-C)

One reel, 10 minutes
Rental, \$2.50

GAME OF GAMES (AFC)

Is a pictorial account of the famous football game between the U.S. Military Academy and the U.S. Naval Academy in the fall of 1946. Part of the account has been taken in slow motion. Sports fans will recall that this was the final appearance of the touchdown twins, Blanchard and Davis. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

GARDENING (EB)

Follows a boy and girl through a garden-raising project from the selection of seeds to the harvesting of the crops. Radishes, carrots, lettuce, beets, beans, corn, pumpkins, onions, tomatoes, and potatoes are cultivated and harvested. Attention is directed to aspects of soils, growth, role of the sun, insect pests, and to the various parts of plants used for food—leaves, stems, buds, and roots. (I-J-H)

One reel, 15 minutes
Rental, \$2.00

GARDENS OF VICTORY (BHG)

The need for hundreds of thousands of additional vegetable gardens is obvious to everyone who knows the situation. More and more of our food must be sent abroad this year to our allies and fighting men. The very least that we at home can do is to ease the strain of supply and plant and grow much of the food for

our own table. We can do this through victory gardens, and Gardens of Victory is the perfect answer in getting an organized drive under way. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

GAS FOR HOME AND INDUSTRY (EB)

Explains the role of fuel gas as a source of energy in our modern society. Describes production of various types of manufactured gas, using both natural photography and animated drawings. Shows how natural gas is obtained from wells and distributed through pipelines to production centers. The importance of gas conservation is discussed, and future technological developments in gas manufacture are suggested. (J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

GASOLINE'S AMAZING MOLECULES (STO)

Animated figures illustrate the formation of petroleum molecules by elements and patterns of different molecular structures found in crude oil. Shown are petroleum storage tanks, pipe lines, theory of distillation, fractionation, cracking processes, stills, and production of high antiknock gasoline by polymerization and alkylation. (Color) (H-C)

One reel (800 feet), 22 minutes
Handling charge, \$1.00

GENERAL AGRICULTURE (VGF)

Types of agriculture, diversified, training, information, and skills needed in handling equipment and animals are explained in this vocational guidance film. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

GENERAL ELECTION (BIS)

The film is concerned with general elections in England. It presents an interesting view of political life there which can be contrasted with practices in this country. The film begins with the formal proposal of the candidates and ends with the excitement of polling day. The voters are coaxed and cajoled by the oratory of each candidate, unlike American political operations. Scenes of polling day show the mechanics of voting. (General)

One reel (800 feet), 20 minutes
Rental, \$2.50

GEOGRAPHY FROM THE AIR (AAER)

From footage taken by the Air Transport Command, scenes from all over the world have been selected to illustrate outstanding geographical elements. The content and sequence of the film are based on land geography, ocean geography, and man-made geographical features. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

GEOGRAPHY OF NEW ENGLAND (C)

The region of New England is more than a physical area; it is a network of relationships between people and places; activities and resources. Effects of glaciation on the whole area, development of specialized industries, distribution of population and an accurate picture of the economy and culture of the area are all presented in a clear and easy-to-understand manner. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

GEOLOGICAL WORK OF ICE (EB)

Opens with a survey of significant but often overlooked examples of the gradational work of ice. Animated drawings are employed to explain the action of phenomena that cannot be demonstrated photographically. The major portion of the film is devoted to the story of glaciers, glacial movement, gradation and transportation by glaciers, topographical results of glacial activities as evidenced by moraines, eskers, striated and grooved rocks, cirques, hanging valleys and fiords; and finally the Pleistocene ice age. (H-C)

One reel, 11 minutes
Rental, \$2.00

GEOMETRY AND YOU (C)

Students will better appreciate the function of geometry when they see this practical demonstration of its everyday importance. In constructing a model porch with Jim and Bob, they'll use protractor and ruler to apply their study of such figures as rectangles, triangles, and circles, and such principles as congruence, similarity, and symmetry. (J-H)

One reel, 10 minutes
Rental, \$2.00

GEOMETRY IN ACTION (BEF)

This subject was made in collaboration with David Reichgatt and Lee Spiller, authors of *Today's Geometry*. The film considers the questions: Why should I take Geometry? What good will Geometry do me? The following fields are used to show the practical everyday applications of geometric forms: transportation, medicine, manufacturing, agriculture, sports, and home economics. (H-C)

One reel, 11 minutes
Rental, \$2.00

GEOPOLITIK (PLAN FOR DESTRUCTION)

(TFC, Restricted to Classroom Use)

This is a propaganda short narrated in part by Lewis Stone in which he tells how after the first World War a German, Professor Haushofer, began to study geopolitics in connection with another World War to come. The underlying idea is to demonstrate to the American public just what kind of a machine we are

fighting and to demonstrate the necessity for an all out effort to bring complete victory for the Allied Nations. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

GERMANY INVADES AUSTRIA (ICS)

As the title indicates, this is a record of the incidents leading to and accompanying Germany's invasion of Austria. This film requires evaluation for school use to avoid possibility of seeming Nazi propaganda. (J-H-C)

One reel, 11 minutes
Rental, \$2.50

GET GOING (JH)

In this picture the problem of inertia is again attacked:

Everything we see needs a force behind it to make it start. Just how that force acts is here made clear. We see how we can help the moving force by increasing the power, or by cutting down weight, as is done on racing cars and motorcycles. Before our eyes a demonstration is made of what the sacrifice in weight entails in loss of durability and strength. In the end we find the balance which has been achieved in the modern motorcar between power and weight to deliver the utmost in acceleration without loss of durability or economy. (J-H-C)

One reel, 7 minutes
Rental, \$2.00

GIANTS OF THE JUNGLE

(TFC, Restricted to Classroom Use)

We see some of the training elephants get before they become beasts of burden. The scene of the film is Assam, India. These big animals march over difficult terrain, batter down jungle thickets and even trees, lift, haul, carry stones and logs. Adroitly, using feet, trunk, and tusks, they move massive boulders. At the end of the day's work the elephants repair to the river where they are scrubbed with pumice to remove the ticks that burrow into their hides. The picture closes with a scene showing elephants, richly adorned, carrying members of royalty in a maharajah's procession. (P-I-J) *

One reel, 10 minutes
Rental, \$2.00

GIFT OF GREEN (SI)

Presented by the New York Botanical Garden to show how the green plant holds a key to all life on Earth. Explains in non-technical language the process of photosynthesis, how the green plant, with the aid of sunlight, builds food from water and air. (Color) (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$1.00

GIFT OF TS'AI LUN, THE — PAPER (HP)

Woodland cutting and logging scenes; Great Lakes shipping scenes; a modern paper mill from woodyard

to finishing department — these are some of the things viewers will see after they have learned how and where paper was invented and who Ts'ai Lun was. (Color) (General)

One reel (1200 feet), 33 minutes
Handling charge, \$1.00

GIRLS BASKETBALL FOR BEGINNERS (BU)

Presents for 13 to 15 year old girls in actual game situations: fundamentals, skills, rules, game play. (J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

GIVE ME LIBERTY

(TFC, Restricted to Classroom Use)

The scene is Virginia, 1765. Patrick Henry delivers his famous speech, "If this be treason . . ." after the king's tax proclamation has been read. There is some objection to his remarks and as a result his wife exacts a promise from him that he will say nothing treasonable henceforth.

Henry is reluctant to speak at a protest meeting held by patriots at St. John's Church, Richmond. But when a loyalist talks against war with England, Henry, after an encouraging glance from his wife, delivers his "Give me liberty or give me death" speech and is wildly acclaimed although the British soldiers enter the church. (Color) (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$5.00

GLACIER PARK STUDIES (SM)

Serves as a field trip to introduce students to the history, geology and outstanding life forms of the park. The film shows mountain structures, glaciers, lake formations, wild animals, unusual flowers and illustrates basic geologic concepts. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$3.00

GLOBAL CONCEPT IN MAPS (C)

The three main concepts are treated in this film. They are the globe, projection, and distortion. (J-H-C) (Color)

One reel, 11 minutes
Rental, \$3.00

GOATS (EB)

Depicts the domestic life of a herd of goats on a farm. The feeding, milking and care of mature goats are shown. Two baby goats are depicted in characteristic activities. A billy goat pulls the farmer's boy in his miniature wagon to deliver milk. (P-I)

One reel, 11 minutes
Rental, \$2.00

GOING STEADY? (C)

Whether they realize it or not, a high proportion of 'teen agers "go steady" or will before they are out of high school. Of course, steady dating is a normal

step in the progress toward engagement and marriage and should be understood as such. But even if this relationship is quite casual, it often brings problems and disadvantages. *Going Steady?* emphasizes these points and raises the whole question of going steady in an objective setting that will encourage discussion and understanding through the valuable exchange of ideas. (J-H-A)

One reel, 11 minutes
Rental, \$2.00

GOLD RUSH MICKEY (BRF)

Mickey, piano player in a Klondike saloon, finds Minnie outside, cold and hungry. Pierre, a trapper, kidnaps her. Mickey chases; battle ensues. Gag with Pluto and huge snowball smashes cabin; Mickey and Minnie saved. (General)

One reel, 5 minutes
Rental, \$1.00

GOLDEN FLEECE, THE (ASFL)

Is an overview of the Australian sheep-raising industry. There is a brief explanation of the efforts in sheep breeding which have played an important part in Australian sheep raising, and a fine Marino is shown as a typical example of the result of correct breeding. There are scenes of the flocks as they graze, and of the sheep being dipped and receiving medicine by spray gun. Every year, the narrator states, 113 million sheep are assembled for shearing. The work in a typical shearing shed is explained, and the fleeces are shown being rolled and sorted, classified, and finally baled and weighed. Trucks and railroads are used for transportation to market centers. The film ends with scenes in a typical market, including the display room, the auctioneer's appraisal, and an interesting recording of a sale in the auction room. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

GOOD EARTH, THE

(TFC, Restricted to Classroom Use)

A school abridged version of the feature-length dramatization of Pearl Buck's book. (J-H-C)

One reel (1600 feet), 40 minutes
Rental, \$5.00

GOOD SAMARITAN (RFA)

The parable of Jesus, enacted by puppets designed by Mabel Beaton. (P-I-J)

One reel (800 feet), 14 minutes
Rental, \$2.50

GOOD SPORTSMANSHIP (C)

Demonstrates what good sportsmanship is, motivating a desire on the part of the individual to "be a good sport" himself. Through lively story situations, the audience sees a number of examples of good sports-

manship in action. The importance of sportsmanship in all phases of daily living is emphasized. (I-J)

One reel, 11 minutes
Rental, \$2.00

GRACIAS AMIGOS (OIAA)

Is the dramatic story of the contribution made by our neighboring Southern Republics to the winning of World War II by furnishing raw materials rapidly when other sources of the same materials were cut off — rubber, nitrates, quartz, sisal, tin and manganese are only a few of these. (H-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

GRASSLAND (USDA)

The problem of soil conservation on the grazing lands of the arid Southwest is discussed. Interesting photography of sheep and cattle on the range; approved methods of attack on the evils of overgrazing. (J-H-C)

One reel, 11 minutes
Rental, \$1.00

GRAVITY (C)

This common, but important, subject is clearly presented in this film through the medium of a variety of everyday examples that all can understand and appreciate. Students are made aware of the force of gravity and are helped to understand its principles. Major effects of gravity on our solar system, tides, and on the effect of distance on gravitational pull are demonstrated and explained. (I-J)

One reel, 11 minutes
Rental, \$2.00

GRAY SQUIRREL (EB)

One spring morning, Mrs. Gray Squirrel is seen scampering through the woods to her home in an old oak tree. Here she nurses her three babies, then one week old. Three weeks later, the three little squirrels are seen learning to play and climb. Mrs. Squirrel then builds a new summer home higher up in the oak tree. When the babies are two months old, they climb with their mother to the new nest. In another month, they are seen climbing about more easily and doing acrobatics. At six months of age, the squirrels are almost full grown and demonstrate their ability to crack and eat acorns. The film concludes with a winter sequence in which one of the squirrels engages in a thrilling race with a red fox. (P-I)

One reel, 11 minutes
Rental, \$2.00

GREAT HEART (TFC, Restricted to Classroom Use)

Tells the story of the leper colony of Molokai. In February, 1936, a U. S. Army transport leaves Hawaii

to carry back, at the Belgian government's request, the coffin of a man named Joseph Damien de Veuster.

The scene shifts to March 19, 1864, when four young priests arrive in Hawaii to serve as missionaries. De Veuster, best known as Father Damien, ministers to his parish while each week a boatload of lepers is taken to Molokai. The Hawaiian government issues a decree to the effect that all non-lepers must leave Molokai immediately or remain forever.

Father Damien goes to the leper isle. For ten desperate years he labors. He digs their graves, builds new houses, and pipes in fresh water. But only a handful attend his chapel. One day, as he soaks his feet in a basin of hot water, he is shocked to discover that one foot cannot feel the hot water, and he realizes that he, too, is a leper. That Sunday he greets his flock with the words, "we lepers." The news is flashed throughout Molokai that Father Damien is one of them.

Both the commentary and the dramatic presentations are well handled. (General)

One reel, 11 minutes
Rental, \$2.25

GREAT WALTZ (TFC, Restricted to Classroom Use)

Excerpt from MGM's feature release on the life of Johann Strauss. Several of Strauss' world renowned waltzes are played. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$3.50

GREECE (FF)

The heroic struggles of the people of Greece, both during and since the war, as well as the efforts being made for the re-establishment of economic and political order is shown. (J-H-C)

One reel (800 feet), 16 minutes
Rental, \$2.25

GREEN DOLLARS (UI)

Shows the value of a legume-grass program for Illinois farmers. Tells of the benefits of legumes for soil building, by turning them under for green manure, for erosion control and for pasture for dairy cattle, beef cattle, hogs and sheep. Methods of pasture renovation are shown; namely, getting rid of old sod, applying proper fertilizers, preparation of seed bed and seeding. The uses of various types of legumes and grasses are also shown. (Color) (C-A)

One reel (1600 feet), 44 minutes
Rental, \$1.00

GREENER PASTURES (RAY)

Pasture can be made to pay if given the same care as other farm lands. Outlines a four point program for pasture soil building; test soil to determine fertilizer requirements, rip up old sod to make good seed bed for

new grass, seed locally adopted grass seed, and safeguard against overgrazing. (Color) (A)

One reel (800 feet), 20 minutes
Rental, \$1.00

GREENIE, THE (TFC, Restricted to Classroom Use)

As a group of boys come to know and understand a newcomer to their neighborhood, a Polish refugee lad, they overcome their initial prejudice and ridicule, and accord him a place in their circle. (J-H-C)

One reel, 10 minutes
Rental, \$2.50

GREY OWL'S LITTLE BROTHER (TFC, Restricted to Classroom Use)

This is a story of the friendship between a half-breed Canadian backwoodsman and a beaver. When the picture opens we see Grey Owl, the backwoodsman, launching his canoe. Once on the water he calls and the beaver appears. This is followed by a flashback to the beginning of the friendship. The baby beaver, left alone, is discovered by the man who brings it to his camp where he feeds him from a bottle. As the beaver grows, it learns to eat from a dish with its paws, cleaning and brushing itself thoroughly after each meal. Grey Owl does not want to domesticate the beaver, so when it meets a mate, he lets it go. There are several scenes of the two beavers in the water. Grey Owl slaps the surface with his paddle and his pet appears, climbs into the canoe for food. An excellent sequence shows beavers constructing a winter home. They drag branches from the stream and cut them with their sharp teeth. Finally, they bring mud up from the bottom of the stream to fill in the crevices and to seal it securely against all marauders. There are close-ups of this work. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

GRINDING (GF)

Starts by showing that grinding is really a cutting operation. The main types of grinding machines are explained. Tool grinding, as form milling cutters, and reamers are shown. Thread grinding and form grinding are also included. (H-C)

One reel, 11 minutes
Rental, \$2.00

GROUND WATER (EB)

Artesian wells, springs, water table, caves and wells are explained by animated drawings and illustrated photographically. Other phenomena such as geysers, springs, sink holes, petrification, concentration of useful minerals, and geode fillings are explained and illustrated by outstanding examples in the United States. (H-C)

One reel, 11 minutes
Rental, \$2.00

GROW YOUR OWN (USDA)

The picture sets forth in a light vein the essentials of good gardening. Information is given on the preparation of the soil, how to lay out a garden, planting, transplanting, cultivating, weed and pest control, and watering. A "dream" sequence shows by stop motion photography how plants grow. The picture closes with a series of humorous "don'ts" designed to bring home, through exaggeration, the many pitfalls that might mar the success of an amateur gardener. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$2.00

GROWING YEARS, THE (ASF)

Depicts the story of Janet, a newcomer in town. Shows her Girl Scout activities, her family and Community Recreation Center and how all help Janet gain a feeling of security and "belonging." (I-J-H)

One reel (800 feet), 20 minutes
Rental, \$3.75

GROWTH OF CITIES (EB)

Portrays the natural influences affecting the location and growth of cities—harbors, water courses, raw materials and climate. Animated drawings trace the urbanization of the United States. The effect of location, business enterprises and power on the rate of growth of cities is shown. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

GROWTH OF FLOWERS (C)

Through the magic of time lapse color photography the sprouting, blooming and dying of roses, orchids, jack-in-the-pulpits, daffodils and iris are illustrated. (Color) (General)

One reel, 10 minutes
Rental, \$3.00

GUARDIANS OF THE SEA

(TFC, Restricted to Classroom Use)

Is the story of the U. S. Coast Guard which defends the shorelines and other possessions. Students study seamanship, engine operation, navigation, handling small boats, hydrographic work, etc. Work of the light-house division, part of the Coast Guard; demonstration of lifesaving crew at work; the breeches buoy; ice-breaking to open winter channels; the ice patrol in the North Atlantic; flying branch of the Coast Guard; and the work of the weather bureau are shown. (J-H-C)

One reel, 9 minutes
Rental, \$2.25

GUIGNOL AND THE PIRATES (EB)

A charming story played by one of Europe's leading puppet troupes. The fair princess, held captive by pirates who have stolen her father's treasure, is rescued

by the brave Guignol after pursuit over land and sea after various dire mishaps. (P-I)

One reel (800 feet), 22 minutes
Rental, \$3.00

GYMNASTICS (TFC, Restricted to Classroom Use)

Here champions of the Amateur Athletic Union perform with gymnasium apparatus. We see them do difficult exercises on the flying rings, long horse, and high horizontal bar. Chinning on a vertical bar and on a horizontal bar, and tumbling are included. Many interesting shots are repeated in slow motion. (J-H-C)

One reel, 10 minutes
Rental, \$2.50

GYPSY REVELS (TFC, Restricted to Classroom Use)

A film which reproduces music as known in the inns and music halls in Czarist Russia in which Yasha Bunchuk with an orchestra and singers, all in Russian costume, play and sing such characteristic Russian songs as "Dark Eyes," "Sighing Winds" and others. (I-J-H)

One reel, 11 minutes
Rental, \$2.50

HACIENDA LIFE IN OLD MEXICO (HFE)

Portrays life in a community existing today which is practically self-sufficient without the aid of modern mechanization. Is an especially valuable picture for the study of community life in elementary grades. (Color) (P-I)

One reel, 11 minutes
Rental, \$3.00

HACK SAWS (SCW)

Selection of blades for different metals and approved methods of use are demonstrated. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$2.50

HAIL COLUMBIA

(TFC, Restricted to Classroom Use)

Shown in this film are views of houses, statues, monuments, etc., related to American history from 1807-1819.

Among them are statues of Benjamin Franklin, Thomas Jefferson, George Washington, Andrew Jackson, and a number of others. We see the houses once occupied by Alexander Hamilton, John Adams, Lafayette, Jackson, and Jefferson. Also the site of the Battle of New Orleans and a plaque commemorating the invention of the steamboat are brought to view. (I-J-H)

One reel, 10 minutes
Rental, \$2.50

HALOGENS, THE (C)

Combines laboratory demonstration and lecture techniques to present the members of this important

group and their properties, free and in their compounds. (H-C) (Color)

One reel, 11 minutes
Rental, \$3.00

HAMMER (SCW)

Illustrates kinds of hammers and methods of use. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

HAND INDUSTRIES OF MEXICO (C)

Pictures hand molding of roof tiles, making and decorating of glazed ornamental tiles, handmade shoes, lacquer work and fabrication of silver jewelry. (Color) (J-H-C)

One reel, 10 minutes
Rental, \$3.00

HAND SAWING (JH)

In an outline of the manufacture of saws from the first made by man to the high grade steel saws of today, the difference between rip saws and cross cuts is pictured and explained, as well as their uses. The definition and use of the coping saw are shown and explained. The hack saw is described, from the adjustment of the blade to the methods of using the saw, and its uses in cutting metals. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$2.50

HAND SOLDERING (USOE)

Explains the theory of soldering. How to prepare soldering irons and torches, how to clean and prepare the work, how to fasten the joints, how to solder wire and lug joints, and how to seal seams are shown. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$2.50

HANDLE WITH CARE (OWI)

Emphasizes the increasingly important role chemistry plays in the war. Canada is now turning out more explosives in a period of six months than were turned out in the entire period of the last war. The workers, among whom are chemists, engineers and lab technicians, all combine their skills to turn out materials of annihilation. A part of the film shows the life around the plant. Workers are pictured in the many social activities and recreational facilities made available to them. (H-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

HANNIBAL VICTORY (USDA)

Documentary story of the voyage of the S. S. Hannibal Victory from San Francisco across the Pacific to Eniwetok, Lingayen Gulf, and Manila. Starting in Hannibal, Missouri, with the manufacture of railroad car wheels, the film shows the loading of the ship,

the departure from San Francisco, the work and life of the merchant seaman during the long voyage across the Pacific, and the final unloading of the cargo in the Philippines. (Color) (General)

Two reels (each 1200 feet),
60 minutes
Rental, \$4.50

HAPPIEST MAN ON EARTH, THE
(TFC, Restricted to Classroom Use)

An authentic adaptation of the story. "The Happiest Man on Earth," by Albert Maltz, who won the O. Henry Memorial Award for the best short story of 1938. (J-H-C)

One reel, 9 minutes
Rental, \$2.50

HAPPY VALLEY (NFBC)

The pastoral beauty, the delightful simplicity of child life with its love, attachment and devotion to domestic pets, farm animals, and creatures of the wild, are woven into a story that is outstanding in its appeal to the aesthetic and human side of mankind. This was filmed in the Annapolis Valley of Canada, known to millions as "The Land of Evangeline." (Color) (General)

One reel, 11 minutes
Rental, \$1.00

HARE AND THE TORTOISE, THE (EB)

The well-known fable by Aesop is captured in all of its charm through natural photography. Additional characters such as a squirrel, a gossiping goose, a chattering rooster, a curious little raccoon, and a very wise old owl have been introduced to add color to the story. (P)

One reel, 11 minutes
Rental, \$2.00

HARVEST FOR TOMORROW (USDA)

Describes the growth, decline, and rebirth of the soil of our country. It shows how the early farmers cleared the land and tilled the soil, always failing to put back into the soil what their season's crops had taken away. Several scenes depict the results of this bad habit. Finally, modern methods of agriculture are devised whereby the lime and the phosphorus, the two most important minerals in the soil, may be restored to the lands. (J-H-C)

One reel (1200 feet), 30 minutes
Rental, \$3.00

HAT PARADE (PC)

A comprehensive story of the hat industry. Scenes of sport, travel, business—where fashion and style originate. Beavers, hares, a great rabbit drive in Australia, the principal source of hatters' fur; a short history of Danbury, the "Hat City," and scenes of ancient methods. Then unfolds the ingenious and little

known operations in the forming, shaping, and finishing of felts, straws, Panamas, boys' hats, millinery bodies—a complete story "from fur to felt to fashion." (J-H-C)

One reel (1200 feet), 30 minutes
Handling charge, \$1.00

HAUSA VILLAGE (BIS)

Hausa Village lies in Northern Nigeria and its inhabitants are Mohammedans. Many of their customs are primitive, but they apply themselves with so much energy to farming and fishing that they thrive and prosper. The film presents a detailed picture of their daily life. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$3.00

HAY IS WHAT YOU MAKE IT (USDA)

Shows how hay quality is affected by time of cutting, curing and added value of hay due to this added care. (Color) (J-H-C)

One reel (800 feet), 21 minutes
Rental, \$2.50

HEAR BETTER: HEALTHY EARS (C)

Helps youngsters understand that "how they hear" is important to what they hear. In animation sequences, the structure of the ear is detailed and the actual process of receiving air vibrations and transmitting them into "sound" is shown. General information on how to take care of the ears is also shown. (P-I)

One reel, 11 minutes
Rental, \$2.00

HEART AND CIRCULATION (EB)

Deals with the mechanics of the pulmonary and systemic systems. Delineation of the heart action is shown by animation and natural photography. Amplified heart beat sounds and microscopic scenes of capillary action render the picture spectacular. Blood pressure and its relation to health is also vividly portrayed. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

HEART OF MEXICO

(TFC, Restricted to Classroom Use)

Shows life in the towns, beautiful scenery, ancient ruins of former civilizations, mountains, natives in their villages, ceremonial dances, etc. (I-J-H-C)

One reel, 10 minutes
Rental, \$2.50

HEAT AND ITS CONTROL (USBM)

Emphasizes the importance of controlling heat and the many roles heat plays in present-day life, from driving locomotives and turbines to changing the structure of ores and metals. In contrast, the destructive power of unharnessed heat is depicted by the seething

lava of the volcano and the desert wastelands. From a historical standpoint, the film pictures the worship of sun and flame in bygone years and the research by James Watt, who perfected the steam engine. (H-C)

One reel, 11 minutes
Handling charge, \$1.00

HEATING AND AIR CONDITIONING (VGF)

Views of air conditioning equipment being constructed, installed and serviced show the variety of jobs in this expanding industry. Types of heating equipment are explained, as are some of the tools used to increase the vocational value of the film. (H-C)

One reel, 10 minutes
Rental, \$2.00

HEAVEN WITH A FENCE AROUND IT (S)

How a G.I. dreamed of having a farm and how he almost didn't get one, but through the help of some friendly people he made a successful start. (General)

One reel (800 feet), 20 minutes
Rental, \$1.00

HEIDI (TFC, Restricted to Classroom Use)

A school version of the 20th Century-Fox feature picture of the same name. (I-J-H)

One reel (1600 feet), 40 minutes
Rental, \$5.00

HEIGHT GAGES AND STANDARD INDICATORS (USOE)

Presents the fundamental principles of the Vernier height gage, together with the various forms of standard indicators, and demonstrates their use. The care necessary to secure accurate measurement and the proper method of using the vernier height gage are shown. A standard indicator is also shown when used with a gage block to check the depth of a cut. (H-C)

One reel, 11 minutes
Rental, \$2.00

HEIGHTS AND DEPTHS (JH)

Shows the method of making engravings of various kinds, as a commentator explains the action seen on the screen. It begins with the making of reproductions from woodcuts and then proceeds to the method of making zinc etchings of a line drawing. Many of the scenes in the picture are taken in actual press rooms, and in modern newspaper plants. (J-H-C)

One reel, 9 minutes
Rental, \$2.00

HELP WANTED (USBM)

Deals with the basic information contained in courses for beginners in first aid, and the techniques of first aid are shown in the first-aid station.

Scenes show typical incidents that may cause bleeding wounds; animated diagrams superimposed over actual photographs are used to illustrate blood circulation, pressure points, and treatment of bleeding. The film depicts treatment of burns, some accidents that may cause unconsciousness, compound fractures, and shock, and demonstrates procedures in artificial respiration and transportation of the injured. (J-H-C)

One reel (1200 feet), 32 minutes
Handling charge, \$1.00

HELP YOURSELF (ALA)

Shows the various facilities the public library offers and the many services it renders. Special services in the loan of ceiling projectors and books on film and in the bookmobile are also shown. (Color) (H-C-A)

One reel (800 feet), 22 minutes
Rental, \$3.00

HELPING THE CHILD TO ACCEPT THE DO'S (EB)

Portrays the child learning to live in a world defined by the Do's, and explains how his personality is influenced by the extent to which the Do's are accepted. Illustrates, with life situations, the types of Do's the child must learn to accept: (1) the Do's for personal living, (2) the masculine and feminine Do's, and (3) the Do's for human relations. (For other films in this Personality Development Series, see Baby Meets His Parents, and Helping the Child to Face the Don'ts.) (H-C)

One reel, 11 minutes
Rental, \$2.00

HELPING THE CHILD TO FACE THE DON'TS (EB)

Reveals how the young child meets a world of Don'ts and how he reacts by conforming in his own distinctive ways—thus forming his own individual personality. Classifies the Don'ts as (1) those which protect the child from danger, (2) those which restrain him from taking things that belong to others, and (3) those which teach him to respect the rights of others. (For other films in the Personality Development Series, see Helping the Child to Accept the Do's, and Baby Meets His Parents.) (H-C)

One reel, 11 minutes
Rental, \$2.00

HEN HOP (NFBC)

An animated fantasy inspired by a very primitive type of barn dance music. Simple geometric elements build themselves up rhythmically into the shape of a hen. (Color) (General)

One reel, 4 minutes
Rental, \$1.50

HENRY WADSWORTH LONGFELLOW (EB)

Portrays salient and representative events in the life of Longfellow — events which made secure his unique place in the world of literature. Describes his early love for poetry and his growing, full life as a teacher, scholar, and poet. Interposes selections from his poems and depicts incidents which inspired him to write several of his best known works. (J-H)

One reel (800 feet), 20 minutes
Rental, \$3.00

HERE IS THE GOLD COAST (BIS)

West Africa is energetically meeting the challenge to catch up with the modern world. In the Gold Coast, modern cities like Accra have progressed rapidly, but the hinterland is still primitive and poor. The British Government has allotted fourteen million dollars for the development and welfare of the colony. Work has already begun on the much needed wells, on scientific farming, on hygiene education, and on improving the general health of the people through adequate medical care and treatment. Education is being stimulated and more African children are attending schools. (General)

One reel (1600 feet), 35 minutes
Rental, \$3.00

HEREDITY (EB)

In this film genetics as the fundamental basis of heredity is treated in its broad aspects. Animated drawings explain the process of mitosis and meiosis in relation to the genes. The concept of chance combination of sperms and eggs is illustrated in a simple way. Genotypes and phenotypes are shown in all cases and their relationship is explained. Three kinds of one-unit characters are taken up — heterozygous forms in cattle, coat color of guinea pigs, and rough fur in guinea pigs. The latter two also illustrate dominance. Guinea pigs are used to demonstrate two unit characters. The film depends on animated drawings for its effectiveness. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

HEREDITY AND ENVIRONMENT (C)

A sound understanding of the influences that shape our lives is fostered here by presenting clear, visual examples of heredity and environment at work. Audiences learn the meaning of *heredity*, which gives us certain basic capabilities, and *environment*, which helps determine the extent and direction of our use of those capabilities. An overview of cultural inheritances, genetics, environmental influences and their interrelationships is presented. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

HEREDITY AND PRE-NATAL DEVELOPMENT

See

CHILD DEVELOPMENT: HEREDITY AND PRE-NATAL DEVELOPMENT**HERITAGE WE GUARD, THE (NWLA)**

This is one of the finest motion pictures ever made as an educational feature on behalf of conservation and the preservation of our wildlife and other natural resources. (I-J-H-C)

One reel (1200 feet), 30 minutes
Rental, \$3.50

HIGH JUMP (C)

Demonstrates side roll and belly roll, importance of proper approach, take off and body handling, applies some of these techniques to the high hurdles. (J-H-C)

One reel, 11 minutes
Rental, \$2.50

HIGH PLAIN (OIAA)

Is the story of the typical great agricultural estate in the highest farming land in the world. A landlord, whose family has owned his land for three hundred years, is pictured in his control of the labor of five thousand workers who regard him almost as a deity. The film shows the stern life in this little kingdom with its own schools and churches, its limited and hard-won crops. (J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

HIGHLAND HOLIDAY (NFBC)

Through the National Park area of Cape Breton Island winds 70 miles of the famous Cabot Trail. Camping and picnic grounds along the way ask the holiday-maker to linger in a land of wooded lanes, clear streams, and coastal fishing villages to charm the artist. Atlantic salmon and speckled trout make excitement for the fisherman and, for truly dramatic sport, there is sword-fishing and tuna-fishing. (Color) (General)

One reel, 10 minutes
Handling charge, \$1.00

HIGHLANDS OF THE ANDES — PERU (UW)

This film lesson is based on the geographic principle that the highest settlements in mountain regions are usually associated with mining, but where groups of people living at high altitudes depend only upon agriculture, they lead a barren and difficult life. We see the difference in the kind of life led by the Peruvian Indian doing his best to eke out a bare subsistence from meager crops and few domestic animals, and the Indians who work in the operations of the mines. This film takes us right into the copper mines at Cerro de Pasco, virtually at the top of the world. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

HIGHLIGHTS AND SHADOWS (E)

An exceptional film showing the manufacture of cameras, film, and related processes in the different Eastman Kodak plants. (J-H-C)

Two reels (1600 feet),
50 minutes
Rental, \$2.50

**HIGHLIGHTS OF THE UNITED NATIONS
1947-48 (FPS)**

Brings the reality of the everyday achievements of the UN to light — the unspectacular cooperative work amongst nations that goes on in the areas of health, relief, food and agriculture, and the care of children and displaced persons, as well as the slow cementing of economic and political unity. (General)

One reel, 10 minutes
Rental, \$2.00

HIGHWAY MANIA (RKO)

Points out many of the problems of traffic control, the lack of uniform laws in the various states, the qualification for the driving of incompetent people, the licensing of teen-agers who have not achieved the sense of responsibility or the maturity necessary for safe driving, and the different forms of licensing drivers. (J-H)

One reel (800 feet), 17 minutes
Rental, \$3.00

HIGHWAY OF FRIENDSHIP

(TFC, Restricted to Classroom Use)

A newsreel cameraman takes the 9200 mile trip along the Inter-American Highway from Laredo, Texas, to the Argentine. The scenic shots are excellent and the commentary describes fully the origin of the plan to build the road, the cooperative method of construction, and the significance of the project in relation to inter-American solidarity. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

HILL TOWNS OF GUATEMALA, THE (OIAA)

The fascinating life of several small towns perched on the slopes of an extinct volcanic mount are vividly portrayed. (I-J-H-C)

One reel, 11 minutes
Handling charge, \$2.00

HISTORIC ST. PAUL'S (BIS)

This is a picture of St. Paul's Cathedral, past and present: St. Paul's rebuilt by Sir Christopher Wren after the Great Fire of London, and St. Paul's the shrine of a nation's heroes — Nelson, Wellington, Roberts, Kitchener, Jellicoe, and Beatty. The film shows recent historic occasions and the great dome riding high above the blitz of 1940. (General)

One reel (800 feet), 14 minutes
Rental, \$2.50

HISTORY BROUGHT TO LIFE (P)

Shows the work done by Hollywood research experts in bringing accuracy of mood and detail to motion picture versions of historical periods. Top stars appear in this film narrated by Cecil B. DeMille. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.50

HISTORY OF WRITING (EB) (Originally produced for the British Ministry of Education)

Presents a chronological history of writing as a means of communication. Shows ways in which writing evolved from pictures and signs and illustrates that local materials used as writing tools influenced the methods of sign making and writing. Explains that symbols for objects and ideas became symbols for sounds. Depicts and analyzes significant features of early Chinese, Mesopotamian, and Egyptian writings. Stresses contributions of Phoenicians, Greeks, and Romans to our present alphabet. (J-H-C-A)

One reel (1200 feet), 28 minutes
Rental, \$4.00

HIT AND RUN DRIVER (TFC)

This is a Metro-Goldwyn-Mayer production. The film shows methods of tracking down hit and run drivers. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

HITTING IN BASEBALL (EB)

Employs the best of film production techniques to provide a valuable learning experience in hitting for students of baseball. Professional players demonstrate every essential detail of effective batting, and the film utilizes many of its own unique devices to make these details remarkably clear. Slow-motion, stop-motion, and close-up photography add to the effectiveness of the film, and superimposed drawings help in clarifying otherwise difficult techniques. (J-H-C)

One reel, 11 minutes
Rental, \$2.50

HOLIDAY AT WASKESIU (NFBC)

Two girls on vacation discover the attractions of Waskesiu in Prince Albert National Park, Saskatchewan, where delightful scenery and fine sports facilities combine to offer a memorable holiday in the sun. During the long bright days they swim, fish and canoe, while theatricals in the community hall and other special entertainments lend variety to the summer evenings. (Color) (General)

One reel, 11 minutes
Handling charge, \$1.00

HOLIDAY CAROLS (C)

Traditional carols are sung by a choir and presented against appropriate Christmas backgrounds. The words

are flashed on the screen for community singing. (General)

One reel, 11 minutes
Rental, \$2.00 (one day)

HOLIDAY IN MANITOBA (NFBC)

A summer vacation at Riding Mountain National Park in Manitoba means a happy outing for the whole family, since facilities for all sorts of sports are provided here in a setting of great natural beauty. Following a car full of visitors through the Park gates, the film shows us the neat lodges and camps where they can settle down in comfort for a holiday filled with swimming, boating, fishing and other pleasures. A glimpse of the Park's birds and bison suggests the wildlife that flourishes here, while pictures of Clear Lake and of shady bridle paths offer a sample of the delightful scenery. (Color) (General)

One reel, 11 minutes
Handling charge, \$1.00

HOLIDAY ISLAND (NFBC)

Beausoleil Island, largest in the Georgian Bay island group, makes a happy holiday land for children from Canada and the United States. Summer camps are carried on by various youth and welfare organizations. The youth campers, as the film shows, find fun in many activities—swimming, games, learning some of the interesting secrets of woodcraft and going on healthful hikes. (Color) (General)

One reel, 10 minutes
Handling charge, \$1.00

HOME COOKERY OF FISH (EB)

Pictures boiling, broiling and baking of fish in fillets, steaks and whole fish. Also included are uses of sauces and garnishes. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

HOME ELECTRICAL APPLIANCES (EB)

Scientific principles involved in the operation of common home electrical appliances are studied. The circuit of wiring from the main switch to the meter, the fuse box, and the service outlet is shown. The electric iron is used as representing one of the most common electrical appliances, and sequences showing the principles of electricity used in lamps and motors are also included. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

HOME LIFE IN SZECHWAN PROVINCE — CHINA (UW)

The Szechwan Basin of China is seen to be a densely populated country, where farm land is scarce and an intensive subsistence type of agriculture is the char-

acteristic means of livelihood. The people engage in back-breaking labor to achieve only a marginal existence. Every bit of available land is used for farming. Rice is a dominant crop for it provides more food value per acre than any other type of grain. The food is grown for consumption at home. A few items are grown for trade to purchase or barter for things that cannot be grown or produced on the small farm belonging to each family. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

HOME MANAGEMENT: BUYING FOOD (YA)

Explains the basic elements of good "buymanship." Discusses the important factors of quantity buying, understanding the descriptive labels on canned goods, seasonal buying, and the guiding factors in buying meats. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

HOME MANAGEMENT: WHY BUDGET (YA)

Discusses the importance of the budget to individuals and families of all income levels. Explains what the budget is, how it is set up in relation to needs and income, and what is to be gained by following a well-planned budget. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

HOME NURSING (EB)

Factors involved in the hygienic care of a home patient after instruction from a visiting nurse are outlined. Demonstration of bathing and moving the patient in bed; arranging the bed; and generally making the patient comfortable are shown. Taking of temperature, pulse and respiration rates, and their recording, medications; visits by the doctor and helping the patient gradually to regain strength conclude the presentation. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

HOME OF THE FRENCH CANADIANS — ST. LAWRENCE RIVER LOWLANDS (UW)

Where the climate makes it possible, low fertile land along rivers makes good farm land. When settled by people with a common language, religion, and other ethnic ties, river lowlands tend to maintain their cultural homogeneity for long periods of time. In Papa Paradis and his family, who live in the village of St. Pierre, and are the central characters in this film story, the picture demonstrates how these principles operate in French Canada. The lower St. Lawrence River is wide and navigable, with fertile land on both sides. Farm life in this valley reflects the influence of French culture. The cool, moist climate is good for

dairying. Nearby cities such as Quebec and Montreal help to make this type of occupation profitable. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

HOME PLACE, THE (USDA)

Depicts the various types of homes that are characteristic of the different sections of the country. It shows the new settlers with their mud and straw huts, and then the typical New England country home is shown. From there we see scenes of Maryland with its large tobacco plantations. This is followed by scenes of Middle Western homes and finally those of the Spanish type on the West Coast. (I-J-H)

One reel (1600 feet), 45 minutes
Rental, \$3.00

HOME SAFE HOME (NSC)

How many little things can cause accidents in typical American homes. Every member of the family can help avert tragedy. (General)

One reel, 11 minutes
Rental, \$2.00

HONEST WOODSMAN, THE (C)

Specially created puppets for motion pictures are employed in this unusual version of the well-known fable of an honest woodsman and his meeting with the god of good fortune, Mercury. Educational as well as entertaining, this film is suitable for groups of all ages. Other fantasies in this series are: Legend of the Pied Piper, Cow and the Sprite, King Midas and the Golden Touch, Rumpelstiltskin. (General)

One reel, 11 minutes
Rental, \$2.00

HONEYBEE (EB)

Unusual photographic effects describe the development of the honeybee with due emphasis on the roles of the workers, the queen, and the drones. Egg, larvae, and cocoon stages in the lives of the workers are shown in detail. The metamorphosis of the queen, including a fight to the death with a rival queen, is dramatically revealed. Swarming, the building of a new comb, and honey making follow in natural sequence. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

HOPI ARTS AND CRAFTS (C)

Scenes in color illustrate textile and basket weaving, turquoise cutting and polishing and one sequence shows in detail Hopi pottery making operations. (Color) (I-J-H)

One reel, 10 minutes
Rental, \$3.00

HOPI INDIAN (C)

Unusual scenes of a tribal wedding ceremony, household activity of the women and outdoor activity of the men. (Color) (I-J-H)

One reel, 10 minutes
Rental, \$3.00

HORSE AND ITS RELATIVES (C)

After seeing a saddle horse and draft horse, we visit a pony, burro, zebra and tapir. (P-I)

One reel, 10 minutes
Rental, \$2.00

HORSE RAISING (F)

This color film is a good illustration of man's greatest work-partner, the horse. The points of a fine horse are brought out, the importance of proper treatment is stressed, and the importance of correct bits, bridles, and harness is shown. (Color) (I-J-H-C)

One reel, 11 minutes
Rental, \$3.00

HORSEMEN OF THE PAMPAS—ARGENTINA (UW)

Except for the soft, musical Spanish language you hear among the gauchos or perhaps the sight of their strange baggy trousers, you have the impression that you are on a great Texan ranch. Throughout these scenes of people of the Pampas there is an ever-mounting impression of the vastness of this level, stoneless and nearly treeless plain. This high, grass-covered plateau is especially suited to grazing operations. There is an inescapable picture of the Great Plain's influence upon its people and its impact upon an entire nation. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

HORSEPOWER (JH)

In this picture we learn what is meant by the term horsepower, how it originated, and how it applies to the automobile.

We go back to the days of James Watt in 1769 when he conducted a series of experiments to show just how much weight a horse could be expected to lift in a given length of time. The horsepower unit was used by Watt to determine the amount of work that could be expected from his steam pump in comparison with horse operated pumps. Today the efficiency of all machinery is measured by these units.

Feature by feature, part by part, cylinder by cylinder, the film shows how the horsepower of automobile engines has been increased. (J-H-C)

One reel, 8 minutes
Rental, \$2.00

HOT-HEAD, THE (JH)

This picture deals, in the main, with problems of efficient fuel combustion in the automobile. Actual laboratory tests show the results of complete and incomplete burning of carbon. And we are shown how engine design influences the combustion efficiency. The film shows that, in the automobile, efficient burning of gasoline is produced by "breaking" the liquid into tiny drops completely surrounded by air.

The four stroke cycle principle of the internal combustion engine is explained. Explained also is the valve-in-head engine design which is shown to be one way of producing greater combustion efficiency and reducing power waste.

Animated drawings and cutaway pictures show how the fuel mixture flows into the combustion, how the removal of gases is effected, and how fuel mixture can be controlled. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

HOT ICE (SF)

Shows the growing-up of a sport — ice hockey. The development of hockey, from "shinny" on the school pond to the excitement at the Garden, as Toronto and the Rangers clash in the "fastest game on earth." (J-H-C)

One reel, 11 minutes
Rental, \$2.00

HOUSE I LIVE IN, THE (YA)

Frank Sinatra stars in a dramatic appeal for tolerance. In this Academy Award winner, Sinatra impresses a group of boys with the real meaning of democracy for all. (J-H)

One reel, 10 minutes
Rental, \$2.00

HOUSE OF ROTHSCHILD, THE

(TFC, Restricted to Classroom Use)

This excerpted version of the feature film tells the story of the part played by the famous banking house in financing the campaigns of the Allied Powers against Napoleon and highlights the importance of finance in warfare. It also provides dramatic visualization of the injustice of social discrimination. (J-H-C)

One reel (1200 feet), 34 minutes
Rental, \$3.50

HOUSE OF SEVEN GABLES, THE

(TFC, Restricted to Classroom Use)

A school abridged version of the feature-length dramatization of Nathaniel Hawthorne's book. (H-C)

One reel (1600 feet), 40 minutes
Rental, \$5.00

HOUSE OF SQUIBB — Rx (Squibb)

This is a non-technical documentary picture designated for lay-audiences of all age levels. It portrays the spirit of progress and forward looking research inherent in all branches of modern medicine. Highlighted particularly are the painstaking care and ceaseless research of the modern pharmaceutical industry for new and better methods to bring within the reach of all, at minimum cost, drugs which relieve suffering, restore health and prolong life. (J-H-C-A)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

HOUSEFLY, THE (EB)

The film tells the complete story of this common but extremely dangerous pest. The four stages of the fly's life cycle are shown — egg, larva, pupa, and adult. Its activities as a carrier of disease germs are presented vividly. The picture illustrates effective means for eliminating the fly menace. Special emphasis is laid on community action. This film is highly recommended for use in health education as well as in science. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

HOUSING IN CHILE (OIAA)

In showing how one country is solving its housing problem, the movement of one particular family from a substandard tenement district to a modern low-cost housing unit is followed. The film treats all substandard units which are being displaced and the modern facilities which are replacing them. (H-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

HOW A BILL BECOMES A LAW (PF)

A step-by-step visualization of the parts played by the ordinary citizen, his legislators and the Chief Executive in the making of our laws. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$3.00

HOW A FISHING PEOPLE LIVE (KB)

The story of a primitive people who depend almost entirely on the sea for a livelihood and the tragedy which befalls when the fish catch fails are shown. This is a story of North Pacific waters. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

HOW A HUNTING PEOPLE LIVE (KB)

Life among the Mongol people who live in the Tiagias of Siberia is portrayed. The main features of the

economy of a people who live off the animals of the forest are depicted. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

HOW ANIMALS EAT (YA)

Explains the concept of how animals have become adapted for food-getting in order to survive. Deals with such special food-getting adaptations as teeth, claws, beaks, poison mechanism, webs, and others. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

HOW ANIMALS MOVE (YA)

Deals with the way in which animals are adapted for moving about in order to get food and to survive. It points out the various ways in which animals have become adapted to move about and solve the problems of their environment. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

HOW DO YOU DO (YA)

Points out how we have more enjoyment out of life by being sure of ourselves in social situations, and demonstrates the rules to be observed in one such situation — introducing and meeting people. (J-H)

One reel (800 feet), 15 minutes
Rental, \$2.50

HOW DO YOU KNOW IT'S LOVE? (C)

The purpose of this picture is to give young people a basis for thinking clearly about "being in love." It is clearly shown that the mere feeling of attraction is not enough for a happy marriage. Further, the film explains that there are certain factors that can help you judge whether or not your love is mature. It shows how love grows through normal, typical stages. It lays the basis for understanding, discussion, insight, and judgment of this problem which affects all young people. (H-C-A)

One reel (800 feet), 15 minutes
Rental, \$2.25

HOW FRIENDLY ARE YOU? (C)

The manners by which young people cultivate friends are often obscured by the artificial bonds of belonging to a clique or school "crowd." This motion picture sets out to present some of the values of being friendly and encourages the broadening of one's range of friends. Friendliness is shown to be a *two-way* proposition involving generosity, consideration and a sincere interest in other people. (I-J)

One reel, 11 minutes
Rental, \$2.00

HOW GREEN WAS MY VALLEY (TFC, Restricted to Classroom Use)

An excerpted version of the feature film based on Richard Llewellyn's novel. It is the story of the boy Huw, remembering Wales when it was green and not overrun with mines. A presentation of the vast sociological problems of our industrial era. (H-C-A)

One reel (1200 feet), 33 minutes
Rental, \$4.00

HOW HONEST ARE YOU? (C)

Students usually understand that honesty is a good thing; they don't have much trouble with simple honesty. But in some situations, honesty is a much deeper problem and it is this type of situation that is analyzed in this film. From it, audiences are able to draw certain conclusions about what honesty is and how a person may apply the test of honesty to his thoughts and actions. (I-J-H-A)

One reel (800 feet), 15 minutes
Rental, \$2.50

HOW MAN MADE DAY (C)

The use of kandle-lights, teapot lamps, candle making and some problems of city lighting are presented. The effect of the development of the Argand lamp and gas burner is pictured and the film ends with fluorescent artificial lighting. (Color) (J-H-C)

One reel, 10 minutes
Rental, \$2.00

HOW NATURE PROTECTS ANIMALS (EB)

Presents and describes various ways by which animals are provided with devices to conceal themselves, either for the purpose of protection, or as a means of securing food. Examples are given of natural protection through fleetness of foot, mimicry, protective coloration, armor and secluded homes. Included are: rabbit, raccoon, giraffe, tiger, lion, zebra, goat, pheasant, looper caterpillar and the bee hawk moth. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

HOW RAYON IS MADE (AVC)

Shows detailed steps in manufacture of both viscose and acetate rayon, starting with raw material, to finished yarn and staple fiber. (J-H-C)

One reel (800 feet), 15 minutes
Handling charge, \$1.00

HOW THE DESERT PEOPLE LIVE (KB)

Deals with life among the wandering tribes of the Sahara Desert and the people of the deserts of Turkestan and Gobi. In conclusion a battle between a caravan and a sand storm is shown. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

HOW THE EYE FUNCTIONS (KB)

The film presents the latest facts regarding "accommodation," or focal adjustment, preceded by introductory anatomical matter and illustrated by means of animated drawings. The presentation makes it readily acceptable for regular classroom. (H-C)

One reel, 11 minutes
Rental, \$2.00

HOW THE RESPIRATORY SYSTEM FUNCTIONS (B)

Explains air passages and their functional purposes. Mechanism of breathing, action of the ribs and diaphragm are shown by animated diagram. Necessity of proper posture, exercise, plenty of fresh air and rest are emphasized. (J-H-C)

One reel, 11 minutes
Rental, \$2.50

HOW TO ADD FRACTIONS (JHP)

Covers the subject matter area of a brief review of the definition of a fraction, how to add fractions which have a common denominator, how to add fractions which do not have a common denominator. (P-I)

One reel, 11 minutes
Rental, \$2.00

HOW TO AVOID MUSCLE STRAINS (B)

Presents a living model in action and animated drawings in illustrating the mechanics of muscular activity. Shows analogy between the three types of levers and certain familiar arrangement of bones and muscles in the human body. Concluding section deals with the subject of hernias. (C-A)

One reel (800 feet), 15 minutes
Rental, \$3.00

HOW TO BE WELL GROOMED (C)

Don and Sue are two young people anyone would look at and want to know. This film shows how they improve their personal appearance through constant attention to good grooming habits. It will demonstrate to students the four fundamentals of appearance: good health, good posture, cleanliness, and neatness. With Don and Sue as living models, they realize that in friendships and in business, success depends a great deal on how you look. (J-H)

One reel, 10 minutes
Rental, \$2.00

HOW TO BRAZE ALUMINUM (USBM)

Discusses process of joining thin aluminum sections by means of brazing. Illustrates furnace brazing, dip brazing, and torch brazing and defines differences between brazing and welding.

One reel, 7 minutes
Handling charge, \$1.00

HOW TO BUILD AN IGLOO (YA)

A demonstration of igloo building in the far North showing how the site is selected and how the blocks of snow are used to make a snug shelter against the Arctic cold. Two eskimos staying overnight at a trading post construct an igloo in an hour and a half. The commentary explains why the snow must be carefully chosen, why the blocks are built up in a spiral, and how the completed igloo is ventilated. (P-I)

One reel, 11 minutes
Rental, \$2.00

HOW TO CHANGE FRACTIONS (JHP)

Covers the following subject matter—a definition and demonstration of equal fractions, an explanation of how to find an equal fraction with higher terms, an explanation of how to find an equal fraction with lower terms, and a demonstration of lowest terms. (I)

One reel, 11 minutes
Rental, \$2.00

HOW TO DEVELOP INTEREST (C)

Developing interest is not only a teacher's job—but also the responsibility of individual class members. Demonstrates how responsibility can be met. It will help answer many practical classroom problems; but more, it can lead to more rich and meaningful study. (J-H)

One reel, 11 minutes
Rental, \$2.00

HOW TO DIVIDE FRACTIONS (JHP)

Covers the following subject matter—the meaning of division, the rule for dividing by a fraction, showing why we invert the divisor and multiply, and examples of how to use the rule. (I)

One reel, 11 minutes
Rental, \$2.00

HOW TO FIND THE ANSWER —**MATHEMATICAL PROBLEM SOLVING (C)**

This film makes an important contribution to clear thinking for it encourages a systematic attack on mathematical problems both in and out of school. In so doing, it offers students an excellent exercise that can be utilized in solving problems in any subject. Here is presented and demonstrated a clearly defined procedure for working out problems after they have been established. (J-H)

One reel, 11 minutes
Rental, \$2.00

HOW TO GET COOPERATION (C)

Necessity for group action in our society makes this film especially important to both students and adults. It shows how cooperation from others can be enlisted if certain basic considerations are made. The need for a variety of methods of securing cooperation is dem-

onstrated while showing how desired ends can be reached more easily with cooperation of others. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

HOW TO JUDGE AUTHORITIES (C)

This film interests students in the conflict which they will inevitably find between the opinion of different authorities on the same subject. Although authorities differ, their opinions are of great value in coming to a conclusion on any problem. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

HOW TO JUDGE FACTS (C)

A film which will help students in every class to distinguish between pure opinion and the actual facts about the things that they learn in school as well as in the world about them. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

HOW TO KEEP A JOB (C)

Job success means getting along with fellow-workers, conduct of work, attitude toward supervisors and employing company, and several other factors which this film explains vividly in the context of a fascinating story. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

HOW TO MACHINE ALUMINUM (USBM)

Instructions on use of hand tools, cutting compounds and power equipment. (J-H-C)

One reel (1200 feet), 32 minutes
Rental, \$1.00

HOW TO MAKE HANDMADE LANTERN SLIDES (IU)

The introduction shows the types of lantern slide which will be produced in the film — etched, glass, plastic, translucent paper, cellophane, gelatin, and silhouette. Different teachers demonstrate how to make each kind of slide. The closing sequence is a visual review of the techniques shown in the film, as demonstrated by students participating in the production of handmade lantern slides. (Color) (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$4.00

HOW TO MULTIPLY FRACTIONS (JHP)

Covers the following subject matter — a brief review of the meaning of multiplication, a presentation of the rule for multiplying fractions, and an explanation of why the rule works. (I)

One reel, 11 minutes
Rental, \$2.00

HOW TO OBSERVE (C)

Here is a film that will be welcomed as an important contribution to effective study habits for it demonstrates the importance of observation as basic to learning the sciences and the arts. In this production, students are shown that observation can be developed as a skill and can be improved through applied and guided practice. The "tools" for observation are presented, completing a well-rounded motivational and instructional presentation of the subject. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

HOW TO READ A BOOK (C)

Selection of a book involves several considerations: What information do we need? What questions do we want answered? What does the book offer that will contribute to our knowledge and understanding?

This film does much to answer these questions. Many other details are brought out: the author's attitude; key ideas — where to look for them and how to use them in rapid reading; the index, footnotes and references, when to read quickly and when to read with greater care. (Color, B&W) (J-H-A)

One reel, 11 minutes
Rental, B & W \$2.00
Color \$3.00

HOW TO REMEMBER (C)

Everyone realizes that remembering is important, but the problem is how to remember. Here are six important rules to help you remember. The setting of this film is one familiar to everyone. Adults, as well as students, can profit learning how to eliminate the "waste" of forgetting. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

HOW TO RIVET ALUMINUM (USBM)

The why and how of hole preparation, rivet temperature and use of explosive rivets. (J-H-C)

One reel (1200 feet), 27 minutes
Handling charge, \$1.00

HOW TO STUDY (C)

Encouraging students to make efficient use of study time is perhaps one of the most perplexing problems facing secondary school education. This film, produced under the supervision of Dr. William G. Brink, Professor of Education, Northwestern University, and author of "Directing Study Activities in Secondary Schools," is designed to motivate better study habits as well as give practical hints on study techniques. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

HOW TO SUBTRACT FRACTIONS (JHP)

Covers the following subject matter area: how to subtract fractions which have a common denominator, how to subtract a fraction from a whole number, how to subtract fractions which do not have a common denominator, and how to subtract a fraction from a mixed number. (I)

One reel, 11 minutes

Rental, \$2.00

HOW TO THINK (C)

A traffic ticket for driving his delivery car without a commercial safety sticker gives Dick cause to do a lot of straight thinking. By following the film's suggested procedure for clear and careful thinking, he is able to solve his problem successfully. The important elements of concentration, logic, observation, memory, imagination, and judgment are all presented as part of the correct "way to think." (J-H-C-A)

One reel (800 feet), 14 minutes

Rental, \$2.50

HOW TO TWIRL A BATON (YA)

Roger Lee, former national champion baton twirler, demonstrates the nine fundamentals of twirling; beating time, salute, wrist twirl, figure eight, two-hand twirl, pass around back, cartwheel, four-finger twirl, and throw and catch. (J-H-C)

One reel, 10 minutes

Rental, \$2.00

HOW TO WELD ALUMINUM — ARC WELDING (USBM)

Metal arc, carbon arc, and atomic hydrogen processes for welding aluminum are discussed. Sequences show the uses and advantages of this type of weld. Proper equipment and protection of personnel are illustrated in arc welding of butt joint and operation of vertical welds. (H-C-A)

One reel, 10 minutes

Handling charge, \$1.00

HOW TO WELD ALUMINUM — RESISTANCE WELDING (USBM)

Resistance welding is a method by which parts fabricated from aluminum sheet and extrusions are welded under heat and pressure. Through animation, principles of two types of spot-welding machines are explained in detail—one employing alternating current, the other condenser-stored energy. (H-C-A)

One reel, 11 minutes

Handling charge, \$1.00

HOW TO WELD ALUMINUM — TORCH WELDING (USBM)

Behavior of aluminum under welder's torch is distinctly different from that of other commercial metals. Film explains in detail progressive steps necessary to

make a good torch weld, graphically presenting preparation of welding surfaces, correct flux mixtures, proper manipulation of welding torch, and butt and tack welds in various gages of aluminum sheet and plate. (H-C-A)

One reel (800 feet), 17 minutes

Handling charge, \$1.00

HOW TO WRITE EFFECTIVELY (C)

Demonstrates the important rules for effective writing and then proceeds to situations which help to make all writing effective. Material, audience, and purpose are offered as elements which must be considered. Discusses the factors involved in editing and offers a unique exercise in classroom participation. (J-H-C)

One reel, 11 minutes

Rental, \$2.00

HOW TO WRITE YOUR TERM PAPER (C)

The central character in this story is the person watching the film. Each student who sees this film has an opportunity to imagine himself writing the term paper which is assigned by the teacher at the beginning. By actually going through the mental processes involved in writing a term paper, students are given a great many helpful hints on the actual writing of the paper. (J-H-C)

One reel, 11 minutes

Rental, \$2.00

HOW WE COOPERATE (C)

Students learn here what cooperation is, the value to be derived from it, and they see some of the most important "settings" in which we should cooperate. The necessity of closeness of purpose, effort, and planning in cooperation is stressed. (I-J-H)

One reel, 11 minutes

Rental, \$2.00

HOW WE ELECT OUR REPRESENTATIVES (C)

Explained in this film is the functional basis of our democracy, the election system. Registration, primaries, electioneering, voting, methods of counting ballots, and the overview of the responsibility of voting intelligently to make our democracy work are presented. (J-H-C)

One reel, 11 minutes

Rental, \$2.00

HOW WE GET OUR POWER (YA)

The film explains how all of our power comes from nature—from wind, water, fuels, and the explosives. (I-J-H)

One reel, 10 minutes

Rental, \$2.00

HOW WE HEAR (KB)

A complete and comprehensive explanation of the entire ear structure and its mechanism, showing how sound waves are received by the inner ear, where they

are converted into nerve impulses. Photography, animated drawings and sound are combined to make this presentation complete and effective. (H-C)

One reel, 11 minutes
Rental, \$2.00

HOW YOU SEE IT (JH)

Tells the story of persistence of vision and how it makes motion pictures possible. Animated drawings show how the image of an object is transmitted by the optic nerve to the brain, and how the image fades instead of stopping abruptly when the object is removed from the field of vision. Animation and photography illustrate the construction of the motion picture projector, and the optical reasons for shutter, lens, and sprockets. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

HUMAN BEGINNINGS (ASF)

Using a cast of six-year-olds, Human Beginnings is designed for young children, their parents, teachers, church leaders, and others who take an active part in the education and guidance of the child. The function of the film is to help young boys and girls understand what happens in the home and in the hospital with the coming of a baby, and to develop a wholesome and happy relationship between the young child, the parents, and the baby. (Color) (P-I-C-A)

One reel (800 feet), 22 minutes
Rental, \$5.00

HUMAN DIGESTION (ATH)

Describes the principal steps in the digestive process beginning with the stimulation of the organs of digestion by the sight and smell of appetizing food. Demonstrates how the food we eat is made available for the growth, energy and repair of all of our body cells. (J-H-C)

One reel, 10 minutes
Rental, \$2.50

HUMAN GROWTH (UO)

This film creates an instructional atmosphere that permits the facts of human sex to be discussed without embarrassment or tension. In a straightforward, unemotional manner, the film treats the differences between boys and girls in rate of physical and sexual maturity, the glands which control physical and sexual activity, the male and female sex organs, menstruation, fertility, pregnancy, and birth. The vocabulary is kept as simple as possible without sacrificing essential meanings. The film is in four main parts: a home scene to introduce the subject, a classroom sequence that leads into a "film within a film" sequence, and a final classroom discussion of the film. (Color) (I-J-H-C)

One reel (800 feet), 19 minutes
Rental, \$5.00

HUMAN HAIR, THE (B)

Presents a description of the hair as a part of the skin, and its analogous development and growth by live photography and animated drawings. Depicts the cause and appearance of "goose flesh." Gives an understanding of the importance of the hair to one's personal appearance and its characteristics as a part of the human anatomy. (J-H-C)

One reel, 11 minutes
Rental, \$2.50

HUMAN REPRODUCTION (McGH)

This is a factual film on the human reproductive systems, and on the process of normal human birth. Models and animated drawings are used throughout the film to describe the anatomy and physiology of the individual reproductive organs of both men and women. Throughout, the film stresses the biological normalcy of reproduction, and in its conclusion emphasizes the importance of clear, objective familiarity with these facts as important to the success of marriage and parenthood. (For other titles in this series see Body Care and Grooming.) (J-H-C)

One reel (800 feet), 21 minutes
Rental, \$3.25

HUMAN SKIN, THE (B)

Depicts the important functions and the anatomical structure of the human skin by use of animated drawings and photography. Includes a descriptive explanation for the permanency of fingerprints. (J-H-C)

One reel, 11 minutes
Rental, \$2.50

HUMAN THROAT, THE (B)

Describes the throat, consisting of pharynx and larynx, from the anatomical and functional aspect. Depicts the opening and closing of the rimal opening between the vocal cords during breathing and voice production, including an actual photograph of vibrating vocal cords. (J-H-C)

One reel, 11 minutes
Rental, \$2.50

HUNGER SIGNS (NFA)

An excellent color film showing what happens to animals foraged and crops grown on land which has eroded and which lacks correct fertilization. (General)

One reel (800 feet), 20 minutes
Rental, \$1.00

HYDRAULICS (JH)

The principle of hydraulic pressure is explained, and the use of liquids to transmit power is shown. Simple working models and laboratory experiments visualize the fundamentals of hydraulic pressure vividly and clearly. (H-C)

One reel, 11 minutes
Rental, \$2.00

HYMN OF THE NATIONS (Castle)

Arturo Toscanini conducts the NBC Symphony Orchestra, the Westminster Choir and Jan Peerce, tenor, in a special broadcast of "Hymn of the Nations" to celebrate Mussolini's downfall. (J-H-C-A)

One reel (1200 feet), 35 minutes
Rental, \$3.00

I NEVER CATCH A COLD (C)

George thought he was too tough to obey health rules but he was sick on the day of the big sandlot game. (P-I)

One reel, 10 minutes
Rental, \$2.00

I WANT A JOB (FF)

Is a story about George Miller who has lost his first position which he luckily fell into. His Uncle John, a retired businessman, takes him in hand and suggests new ideas and personal improvements which should aid him in finding a job. Sometime later we find George entering the Employment Offices of the Cobalt Corporation where he fills out his application for a job and awaits his turn. We go into the office of Mr. Gibbons, the Personnel Manager, where we sit in on every applicant's interview, and finally George's. After this interview, the narrator and Mr. Gibbons discuss each applicant. We close with the question from Mr. Gibbons, "Which of these applicants would you employ?" (H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

I WANT TO BE A SECRETARY (C)

Deals with clerical aptitudes. It gives aspirants important clues as to their own chances of success in this particular field. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$3.00

IBERIAN PENINSULA (SPAIN AND PORTUGAL) (EB)

Provides an over-all survey of Spain and Portugal — nations walled off from the rest of Europe by the rugged Pyrenees Mountains and separated from Africa only by the narrow Strait of Gibraltar. Stressed throughout the film is the theme that the Peninsula is primarily a semi-arid land of plateau and mountain — a land characterized by a pre-industrial, agricultural economy. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

ICE CREAM (EB)

A favorite food gives youngsters an insight into American industry. Shows ice cream made at home, then by factory methods. (P-I)

One reel, 11 minutes
Rental, \$2.00

ICELAND — LAND OF THE VIKINGS (TFC, Restricted to Classroom Use)

The film opens with the public square at Reykjavik to which the Vikings brought an advanced civilization more than 1,000 years ago.

We see two women in native costumes which are the same style as that worn by the Icelandic women of old. Two men play chess while the commentator explains that this is a popular game here, and that the Icelanders' collection of books on chess is the largest in the world. Ponies approach. These are the descendants of the ponies brought by the Vikings in the ninth century. Youngsters swim in a hot spring that has cooled sufficiently to allow it. Men and women are busy at the fish industry which is the main reason for their living in grim Iceland. Young men take part in a form of wrestling called Glima, the national sport. (J-H-C)

One reel, 11 minutes
Rental, \$2.25

IGOR GORIN, BARITONE (AF)

The magnificent voice of this well-known concert, motion picture and radio artist is presented in this film. He sings: "Largo Al Factotum" aria from "The Barber of Seville" by Rossini. (I-J-H-C)

One reel, 10 minutes
Rental, \$2.00

ILLINOIS FOOTBALL HIGHLIGHTS—1943 (UI)

This film was edited from the complete game pictures taken by the University of Illinois Athletic Association to bring together the highlights of the various games of the season. Rudy Novak is the commentator. (General)

One reel (1200 feet), 27 minutes
Rental, \$2.50

IMMIGRATION (EB)

Traces historical immigration into United States, shows representative types of immigrants and depicts melting pot process. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

IMMUNIZATION (EB)

Explains what immunization is and how immunity to infectious diseases is attained. Attention is first called to the fact that immunity to some diseases is effected through actual illness; then animated drawings and natural photography depict how immunization is effected by the injection of vaccine into a human body so that the body may build up resistance to an infection without actually having the disease. (H-C)

One reel, 11 minutes
Rental, \$2.00

IMPORTANCE OF GOALS (McGH)

The case of 13-year-old Tommy. Explores the principle that all education is essentially a process of attaining basic meaningful goals. Tommy is full of the natural curiosity of a youngster who wants to know all about the interesting world around him. Once inside his 9th grade class, however, Tommy becomes one of a group of bored, obedient automatons checking school progress by the slow hands of the clock. Little challenge is offered to stimulate his desire to learn, though a single bit of byplay in the classroom situation shows us that when Tommy is challenged to measure up he can and does rise to the occasion. And outside the classroom, a series of incidents shows that he can learn—learn to surpass and to satisfy his need for recognition, to overcome jealousy, to keep his small newspaper business flourishing. But in each of these cases there is a tangible goal which draws him and provides the necessary incentive to make him want to learn whatever is involved in achieving it. His teacher, observing him in one of these natural learning situations, is made aware of Tommy's need for a specific goal to encourage him in his school work. The possibility of a post in the Safety Patrol supplies the needed incentive, and with this before him Tommy's school work takes on a new meaning. Tommy is learning and so is Tommy's teacher. For now Mr. Dexter realizes that something to work toward—something translated in terms of young minds and young desires—can spell the difference between eager, interested students and those for whom school is boring and dull. (C-A)

One reel (800 feet), 19 minutes
Rental, \$4.00

IMPROVE YOUR HANDWRITING (C)

This picture helps students learn for themselves to improve handwriting. It may be used in classes which offer handwriting instruction, and in classes in which teachers wish to stress the fundamentals of good handwriting in an efficient and effective way. The picture is planned to have wide grade usage. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

IMPROVE YOUR POSTURE (C)

Why should so many suffer poor posture when good posture is easy? Here is a film that shows the major areas of the body by which posture is controlled. It demonstrates what good posture is: a balance of opposing sets of muscles. And it teaches methods of maintaining good posture, stressing relaxation, self-diagnosis, and correction. (H-C)

One reel, 10 minutes
Rental, \$2.00

IMPROVE YOUR PRONUNCIATION (C)

"What did you say?" . . . that all too common phrase is overworked by poor pronunciation. While practicing his speech, to be given at the class banquet, Bill begins to realize his own pronunciation shortcomings. So he formulates a program for improvement using these basic rules: 1) Pronounce every syllable, 2) Pronounce each sound correctly, 3) Use accepted pronunciations, and 4) Use natural pronunciation. Like Bill, students will be amazed and pleased with the results, and they will realize that in gaining the respect of their fellows, as well as in making themselves correctly understood, proper pronunciation is an essential asset. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

IMPROVE YOUR READING (C)

This is a prescription for reading deficiencies. The three most prevalent ailments found among students—narrow perception span; rapid, careless reading; and the slow, ponderous pointing to and pronouncing of words—are presented in this film. Specific remedies for each are illustrated and a cure set into effect. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

IMPROVING THE JOB (USOE)

A supervisor asks one of his workmen for suggestions for preventing waste. The workman explains the situation to members of his family at home and methods of improving the job so as to prevent waste are brought out. (H-C)

One reel, 9 minutes
Rental, \$2.00

IN COMMON CAUSE (USDA)

What soil conservation districts are, how they operate and what they have accomplished. (General)

One reel (800 feet), 20 minutes
Rental, \$2.00

IN THE BEGINNING (USDA)

Portrays the mysterious prologue to life—ovulation, fertilization, and early development of the mammalian egg; scenes of spermatozoa attacking ovum; remarkable time-lapse cinemicrographs of cell division in the fertilized egg. (H-C)

One reel (800 feet), 20 minutes
Rental, \$2.50

IN THE CLOVER (API)

Depicts the value, uses, culture and fertilizer requirements of ladino clover in North American agriculture. (Color) (H-C-A)

One reel (800 feet), 22 minutes
Postage, 25 cents

IN THE WAKE OF THE ARMIES (OWI)

Explains the purpose of the United Nations Relief and Rehabilitation Administration. As European countries are liberated from the Nazi and Fascist yoke, the human demands of those thousands and thousands of war victims will be met by UNRRA. (H-C)

One reel (800 feet), 14 minutes
Rental, \$2.00

INCAS, THE (HFE)

Tells how the Incas lived before the arrival of the Spanish, and shows the result of the Spanish conquest and occupation over 400 years ago. It instructs in history, sociology, handicrafts, architecture, and geography, and can be considered a worth-while teaching instrument. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

INDIA (MOT)

Viewing realistically past British imperialism, the film contrasts both sides of a land where tradition has placed oriental luxury side by side with squalor. While picturing the substantial social improvements and industrial developments which Britain brought about in India, it also recognizes abuses which occurred simultaneously. (J-H-C)

One reel (800 feet), 12 minutes
Rental, \$2.25

INDIAN HUNTERS (SF)

Two modern-day Indians scout for new hunting grounds for their tribe. These sharp-eyed scouts track moose, hunt new fishing grounds and run across the huge Canadian black bear as they move cautiously through the virgin forests and lakes of the wild Canadian north country. (I-J-H-A)

One reel, 10 minutes
Rental, \$2.00

INDIRECT MEASUREMENT (KB)

Need for indirect measurement techniques is established by showing specific situations where direct measurements can not be made. This film demonstrates three methods of indirect measurement — congruent triangles, similar triangles, and trigonometry. (H-C)

One reel, 11 minutes
Rental, \$2.00

INDIVIDUAL DIFFERENCES (McGH)

Case history of a youngster overshadowed by the reputation of an older, socially-adept brother. As a result, he is unable to make his own place in his class. When his teacher makes a study of his past record and plans to meet his interests as they really exist, Roy achieves personal satisfactions and becomes a contributing member of the group. Points out that educa-

tion must meet the needs of the individual; it must not force him to a pre-conceived pattern. (J-H)

One reel (800 feet), 20 minutes
Rental, \$4.00

INDUSTRIAL LAKE PORT — BUFFALO, N.Y. (UW)

In an intensely interesting fashion, this film demonstrates the fact that industrial centers tend to develop where there is a natural focus of trade routes facilitating the supplying of raw materials and the marketing of finished products. Through the eyes of a group of Sea Scouts, we see the basis for the development of Buffalo at the juncture of twelve large railroads, the terminus of water routes of supply, and near the source of a limitless supply of cheap electric power. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$3.00

INDUSTRIAL PROVINCES OF CANADA (EB)

This film orients the industrial provinces, Ontario and Quebec, as the heart of the Dominion of Canada. It traces settlement of the region, shows distribution of population, delineates typical activities and shows the relation of this region to the remainder of Canada, to the United States, and other regions of the world. Products and imports are also summarized. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

INDUSTRIAL REVOLUTION (EB)

The efforts of primitive man to do work chiefly with his own and animal muscles are compared to methods of work from the time of the first steam-powered loom to the modern Diesel electric-powered locomotive, and animated photography describes the mechanical advantages of machines. Cause and effect relationships are treated and their social and economic implications noted. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

INSECT ZOO (EB)

Brings enthusiastic student participation to the study of the insect world. The Katydid, Cricket, Butterfly, Milkweed Bug, Ladybird Beetle, Ant and Praying Mantis are shown in the backyard "zoo" built for them by two young collectors, Ted and Susan, who display the various insects in close-up photography. (Color) (P-I)

One reel, 11 minutes
Rental, \$4.00

INSIDE BASEBALL

(TFC, Restricted to Classroom Use)

Here is baseball strategy as revealed in a game between the St. Louis Cardinals and the Boston Braves.

Close-ups and slow-motion photography reveal the use of signals from the bench, the use of signals on the

part of the catcher, and the execution of pitch-out and squeeze plays. (J-H-C)

One reel, 10 minutes
Rental, \$2.25

INSIDE OPERA (TFC, Restricted to Classroom Use)

Was adapted from the Hollywood production, *One Night of Love*, in which Grace Moore played the role of an ambitious vocalist in study and training for an operatic career. It contains seven famous arias from *Carmen* and *Madame Butterfly*. (H-C)

One reel (1200 feet), 28 minutes
Rental, \$3.50

INSIDE THE CAPITOL

(TFC, Restricted to Classroom Use)

This is a trip through the nation's Capitol building. From cellar to dome the camera records interesting spots in the edifice. Statuary, paintings and congressional halls are included in the tour. Some of the places of interest include the visitors' gallery, the press gallery, the capitol bank, the reading room, and the Senate Chamber. (J-H-C)

One reel, 10 minutes
Rental, \$2.25

INSIDE THE FEDERAL BUREAU OF INVESTIGATION (TFC, Restricted to Classroom Use)

A descriptive film showing the exhaustive program of the Federal Bureau of Investigation to protect the nation against crime and corruption, and more recently against espionage and sabotage. Much of the picture is within the F. B. I. building in Washington, showing methods of tabulating and identifying fingerprints, class sessions for special agents in training, and laboratory practice in police techniques. Items of laboratory equipment are described by a well-informed commentator. (J-H-C)

One reel, 10 minutes
Rental, \$2.25

INSIDE THE LIBRARY OF CONGRESS

(TFC, Restricted to Classroom Use)

Presents the architecture of the building; the new annex; the two reading rooms; the Ezra Winter mural of Chaucer's *Canterbury Tales*; the rare book collection in the Georgian Room; volumes from the library of Thomas Jefferson; the folio Bible written in 1341; the Hispanic Foundation library; translating volumes into the Braille System to be distributed by the Red Cross to regional libraries; the Vulgate edition of the Guttenberg Bible; the collection of rare musical instruments; famous musical manuscripts; and finally the great documents of American history; the Monroe Doctrine, the Declaration of Independence, the Constitution, and Gettysburg Address. (J-H-C)

One reel, 10 minutes
Rental, \$2.25

INSIDE THE SMITHSONIAN INSTITUTE

(TFC, Restricted to Classroom Use)

Scenes include long shots and close shots of the Smithsonian building, the crypt which holds the remains of James Smithson, the Englishman who never set foot in America but contributed half a million dollars for this monument to his memory. Within the Institute are seen skeletons of prehistoric animals, the Theodore Roosevelt donation of African wildlife, fine examples of early Chinese sculpture; the famous Peacock Room, the Princess from the land of Porcelain, and the portrait of the artist himself designed by James McNeil Whistler. Other exhibits include a primitive fire engine, a stage coach, a cable car, buggies and carriages, the first horseless carriage, Lindberg's plane, and that of Wiley Post and Harold Gatty, the first typewriter, the first talking machine, the first sewing machine, dresses of Mrs. Abraham Lincoln, Mrs. Coolidge and Mrs. Hoover, and the uniform of George Washington. (J-H-C)

One reel, 10 minutes
Rental, \$2.25

INSIDE THE VATICAN (CVE)

Views of Vatican City including the interior of the St. Peter's basilica and the Papal palace. Pope Pius XII is shown addressing worshipers from his balcony overlooking the courtyard of St. Damascus and the Vatican museums. (J-H-C-A)

One reel (1200 feet), 30 minutes
Rental, \$4.00

INSIDE THE WHITE HOUSE

(TFC, Restricted to Classroom Use)

Inside the White House presents a view of the exterior, seen from across the wide lawn. On the south grounds are hillocks placed there at Jackson's order to remind him of his own well-loved landscape. The President's office is in the West Wing and is connected by a covered walk with the White House. The back of the House faces Pennsylvania Avenue.

The entrance to the Executive Offices is pictured, and the reception room containing a massive mahogany table presented by the Philippines. We see the President's private office, while in the Cabinet Room hangs a portrait of Woodrow Wilson. Tuesdays and Fridays, on press days, the news men arrive, where they gather in the reception room. Several well-known correspondents are pictured in a group. The 173 men enter the President's office, after having been checked for their credentials.

When the interview has been completed, they leave to file their stories for transmission to all parts of the world. (General)

One reel, 11 minutes
Rental, \$2.25

INSTALLATION OF PRESIDENT STODDARD (UI)

This Kodachrome picture is a cinematic account of the activities connected with the installation of Dr. Stoddard as President of the University of Illinois and contains views of the colorful academic parade, Allerton Park, and closes with an informal talk by President Stoddard. (Color) (General)

One reel (800 feet), 20 minutes
Transportation charges

INSTALLMENT BUYING (C)

Young Dr. Harris, who has just gone into private practice, badly needs new furniture in his waiting room, but cannot afford to pay cash for it. His experience in buying the furniture on installments demonstrates some of the pitfalls of installment buying, and encourages them to make a complete investigation of installment credit, contracts, and interest rates before making purchases in this way. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

INSTRUCTING THE WORKER ON THE JOB (USOE)

Illustrates the differences in telling, showing and instructing a new worker how to do a job, and compares the effectiveness of the three methods. (H-C)

One reel, 11 minutes
Rental, \$2.00

INSTRUCTIONAL FILMS — THE NEW WAY TO GREATER EDUCATION (C)

Demonstrates to the audience through many sequences from selected films how audio-visual teaching saves time in presenting complex ideas, saves money by bringing costly equipment right into the classroom, makes the most distant things as near as the classroom movie screen, and makes it possible for student to see familiar objects in a new light. (General)

One reel (1200 feet), 25 minutes
Rental, \$3.00

INSTRUMENTS OF THE ORCHESTRA (BIS)

Dr. Malcolm Sargent, the famous British conductor, is the commentator for this very interesting film. He demonstrates the sound of each instrument, and then conducts the London Symphony Orchestra in Benjamin Britten's Variations and Fugue on a theme by Purcell. (H-C)

One reel (800 feet), 20 minutes
Rental, \$2.50

INTERMEDIATE TUMBLING (C)

Demonstrates advanced stunts like kip, headspring, handspring, various stands, pullovers and others. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

INTRODUCING THE NEW WORKER TO HIS JOB (USOE)

A new worker is being started on his job. First, the induction is done very poorly. Then, the same job is done over again, but this time as it should be. The difference between the first and second ways of inducting the worker is obvious. (H-C)

One reel (800 feet), 16 minutes
Rental, \$2.50

INTRODUCTION TO CHEMISTRY (C)

Here is a film designed to stimulate an interest in the study of chemistry as well as provide important classroom instruction. Beginning with a clear-cut definition of chemistry, the motion picture introduces some of the important terms and materials common to the subject. Then some of the major industrial applications of chemistry are presented along with everyday uses found in the home and on the farm. (J-H-C)

One reel, 11 minutes
Rental, \$2.25

INTRODUCTION TO ELECTRICITY (C)

Opens students' eyes to electricity's magic properties, yet makes its principles concrete and simple. (I-J)

One reel, 11 minutes
Rental, \$2.00

INTRODUCTION TO FRACTIONS (JHP)

The meaning and use of fractions are shown by animation. Designed for fifth or sixth grades, should be equally effective for remedial work and review in higher grades. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

INTRODUCTION TO PHYSICS (C)

This film shows the main divisions of Physics, provides a basic vocabulary for the study of Physics and illustrates some of the important concepts of Physics. It is excellent as a guidance film for those who are planning their requirements in science, and also provides a stimulating introduction to those who are beginning the study of Physics in understanding everyday problems. (J-H-C)

One reel, 11 minutes
Rental, \$2.25

INTRODUCTION TO STUDENT TEACHING (IU)

Shows the activities of Bill, Nancy, and Carol during the early weeks of their student teaching experiences. They are being well prepared to assume greater responsibilities in full time student teaching. They are helped by competent, interested, supervising teachers who treat them as fellow co-workers. (C)

One reel (800 feet), 20 minutes
Rental, \$3.50

INTRODUCTIONS (SM)

Points out that some people are unnerved by almost any introduction — yet their social duty of meeting or introducing other people can be a pleasure. The picture demonstrates correct answers to this problem. Typical situations in home, business, school, party and official gatherings are used to depict varied forms of easy, gracious greetings and conversation. How to meet situations requiring the introduction of friends, family and strangers is shown. (I-J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

INTRODUCTORY LESSON IN SPANISH, AN (ALT)

This film reviews, and provides the opportunity for oral practice, fundamental principles which teachers explain and continue to stress throughout the course of study. An analysis of the errors which are common in the average classroom during the first few months of study are emphasized. (J-H-C)

One reel, 15 minutes
Rental, \$2.50

INVASION OF FORTRESS EUROPE — ROME FALLS TO THE ALLIES (UW)

Spot motion pictures of the most important war movements in history are pictured. The invasion subject shows the tremendous sea, sky and land assaults, together with gripping action shots of the fighting to establish beachheads. The dramatic climax of the twenty-four day offensive to liberate Rome is shown. The German retreat is disorganized and Allied armies are seen sweeping into the Eternal City through the heart of the governmental district. (H-C)

One reel, 11 minutes
Rental, \$2.00

INVITATION TO A NATION (AFC)

Is a travalogue with a difference. True, we see many of the interesting, inspiring buildings, views and monuments of the nation's capital, but the difference is in our guide. The film has been so constructed that a make-believe George Washington's voice comments to us about the city. We start our visit at Mt. Vernon and leave there for Washington, D.C. (Color) (General)

One reel, 11 minutes
Rental, \$1.50

IRELAND (F)

Glimpses of the proverbial Irish national character, the poetic landscape of the country, and the political, economic and social problems which are being, and are to be, dealt with are shown. (J-H-C)

One reel (800 feet), 16 minutes
Rental, \$2.00

IRISH CHILDREN (FF)

A charming film about an Irish family, living in its thatched cottage, digging turf in the peat bogs of Western Ireland, and plying household and farm chores. (P)

One reel, 11 minutes
Rental, \$2.00

IRRIGATION FARMING (EB)

Illustrates man's ingenuity in using the resources of nature to make usable and profitable a land that would otherwise be desert. How engineers harness the water which begins with melting mountain snow is shown, as well as how the farmer uses the water by various methods of irrigation such as the pipe, the canvas, and the ditch methods. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

ISAAC, THE BOY (HFE)

Tells that the patriarch Abram and his wife Sarai have never had any children, but a son, Ishmael, is born to Abram and Sarai's handmaid, Hagar. A son is born to Sarai, and Abram celebrates the day his son, Isaac, is weaned. Ishmael, the half-brother of Sarai's son, cannot conceal his jealousy of Isaac. (C-A)

One reel, 11 minutes
Rental, \$3.50

ISLAND NATION — JAPAN (UW)

Living is difficult in an area where farmland and other natural resources are limited; but by working hard and by developing industry densely populated countries can overcome some of their difficulties. This film shows us that no country illustrates this geographic principle better than Japan. We see what this country of 80,000,000 people, handicapped by mountainous terrain, and without the necessary raw materials for industrial development has done to overcome her difficulties. Industry is based on the importation of raw materials, and the selling of finished products throughout the world, made possible, particularly through low wages and long hours of work. In rural regions, too, people work long and hard to gain a livelihood from the soil. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$3.00

IT CAN'T LAST (OWI)

The scenario for this film was written for the United States Navy by the distinguished Pulitzer Prize poet, Archibald MacLeish. The story the film tells is one which points out with kindly irony that precisely because the last battle of the war seems almost in sight, we must fight, work and save even harder. The last blow in the fight is one that makes the decision stick. Mr. MacLeish's story also points out that it's as hard

to die at the end of the war as at the beginning — may be even harder. (H-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

IT DOESN'T HURT (C)

George bragged that he learned the hard way. But after a bout with Molar I. Decay, George resolves to take good care of his teeth. (P-I)

One reel, 10 minutes
Rental, \$2.00

IT TAKES ALL KINDS

See

MARRIAGE FOR MODERNS: IT TAKES ALL KINDS

ITALIAN CHILDREN: HARVEST TIME IN UMBRIA (EB)

Charmingly depicts activities in the daily life of farm children in the province of Umbria. Portrays interesting features of their home environment such as their house, garden, and food, and shows the children participating in the farm work — particularly in the picking and processing of olives. Illustrates the role of family festivities and musical enjoyment in the lives of Italian children, and features market day activities in the historic Italian city of Assisi. (P-I)

One reel, 11 minutes
Rental, \$2.00

ITALIAN LIBYA

(TFC, Restricted to Classroom Use)

Here is a travelog of modern Libya in six main sequences. Street scenes: everyday life in Libya; natives with their camels and donkeys. Native industry: nature handicraft, basket making and fez making. We see farmers applying ancient methods of agriculture: seeding, harvesting, threshing, and winnowing grain. We come upon an oasis in the Libyan desert, 700 miles inland. Past glory is represented by the ruins of Leptis Magna, the most imposing Roman ruins in Africa. Then we see Tripoli, an ancient city with modern arts and modern ways; beautiful streets and parks. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ITALIAN PENINSULA (C)

Within the boundaries of the "Italian Boot" is a country of unusual geography. The cool climate of the north, the Mediterranean climate of the south, the twin coastlines, the "backbone" of mountain ranges have helped to produce different types of agriculture and living patterns. To give meaning and personality to this study, your students will meet a silk factory worker in Milan, a rice farmer in the Po Valley, a high school

student in Rome and a citrus fruit grower near Naples. (I-J-H-A)

One reel, 11 minutes
Rental, \$2.00

ITALY (FF)

The story of modern Italy, with emphasis on the chaotic condition of that vanquished nation at the end of the conflict is presented. Also incorporated in this film is an absorbing sequence on Vatican City, politically independent capital of the Roman Catholic world. (J-H-C)

One reel (800 feet), 17 minutes
Rental, \$2.25

ITALY: LAND OF INSPIRATION

(TFC, Restricted to Classroom Use)

These are scenes in and about Rome and Florence, Italy.

The architectural splendor of the Roman Forum and Colosseum is revealed in panoramic views and close-ups. There is St. Peter's, with views of the dome, and fountain.

Then Florence — the River Arno with the Ponte Vecchio, the oldest bridge in Florence; the bridge over which Beatrice was walking when Dante first saw her. The square, which was once the forum of the Florentine Republic, and the cathedral, completed in the early part of the fifteenth century, are next. We see the famous bronze doors of the baptistry which Ghiberti spent 27 years in modeling. A man paints figures on a vase while the commentator tells us that ceramic art has flourished here for centuries. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

IT'S ALL YOURS (PB)

Has as its aim the inspiration of young people to acquire the habit of reading. One may read for fun or with a definite purpose. Ralph Bellamy has the lead part. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

IT'S FUN TO READ BOOKS (C)

One of the greatest problems confronting teachers is that of arousing students' interest in the many aspects of reading. This film is aimed at developing an attitude in younger students that will lead to habits which are essential to the enjoyment of reading. Where do we get the books we want? How should we take care of books? How do we get fun from books? are some typical questions raised and answered by this motion picture. (I-J)

One reel, 11 minutes
Rental, \$2.00

IT'S OUR JOB (WPP)

One of the best films ever put out concerning foreman-worker relationships in a factory. The film uses

unsophisticated narrative to very plainly and simply show how a foreman can best do his job. It covers not only relationships between the foreman and workers, but also relationships between a foreman and other foremen. (General)

One reel (1600 feet), 40 minutes
Rental, \$3.00

IT'S THE MAINE SARDINE (USDI)

The Maine Sardine fishery showing the colorful methods of capturing and processing sardines. Awarded first prize, public relations category, Tenth Annual Exhibition of Cinematographic Art, Venice, Italy. (Color) (General)

One reel (800 feet), 18 minutes
Handling charge, \$1.00

IT'S YOUR AMERICA (Castle)

A G.I. learns the meaning of America and Democracy through the people he meets in the Army—in a training camp, in England, in Italy, on the beachhead at Normandy. He discovers that people working together in freedom is the important thing. Hollywood stars play the lead roles. (H-A)

One reel (1200 feet), 30 minutes
Rental, \$3.00

IT'S YOUR AMERICA (OWI)

This is the adventure of a soldier who had plenty to learn about freedom, democracy and liberty and of the Lincoln cent piece that helped him. (General)

One reel (1600 feet), 35 minutes
Rental, \$3.00

JACK AND THE BEAN STALK (SF)

The enchanting fairy tale with actual dialogue spoken by the characters. (P)

One reel, 11 minutes
Rental, \$2.00

JACK'S VISIT TO COSTA RICA (C)

A story of a boy's trip to visit friends in Costa Rica. He lives in the home of a typical Costa Rican family, sharing their life and activities. (I-J)

One reel, 11 minutes
Rental, \$2.00

JACOB AND RACHEL (HFE)

Jacob meets and falls in love with Rachel, the daughter of Laban. Laban makes a bargain with Jacob requiring him to work for Laban for seven years, because he has no money or goods to offer. Laban tricks Jacob by offering him another daughter, Leah, and so he must work another seven years to win Rachel. (C-A)

One reel, 11 minutes
Rental, \$3.50

JAMES FENIMORE COOPER (EB)

The reasons for Cooper's literary greatness become apparent in this moving story of significant incidents in his life. We see him grow from a young man, dreaming of pioneer adventure on the frontier, to a mature, distinguished novelist, forcing his earlier dreams into vicarious reality by creating the first great American novels based on the American frontier scene. (J-H)

One reel (800 feet), 17 minutes
Rental, \$3.00

JAPANESE FAMILY (BFS)

Presents the story of the Kawaii family, silk-weavers, of Kyoto, Japan. Shows the adults at the hand-operated looms weaving the beautiful silk brocades for which Japan is famous. Depicts the preparations for and the family observance of a Japanese New Year's celebration. (J-H-A)

One reel (800 feet), 23 minutes
Rental, \$6.00

JAPANESE RELOCATION (OWI)

This film shows American democracy at work, carrying through with efficiency and justice the movement of 100,000 Japanese from the Pacific Coast to settlements in Arizona, Colorado, and Wyoming. (J-H-C)

One reel, 9 minutes
Handling charge, \$2.00

JEFFERSON DAVIS DECLARES SECESSION (TFC, Restricted to Classroom Use)

This half-reel subject deals poignantly with the decisive moment when the rift between the North and the South became final and irrevocable with the Declaration of Secession by Jefferson Davis in the United States Senate. The speech is preceded in this excerpt by incidents on the floor of the Senate which reflect the tensions and animosities besetting the nation. In his address, Davis expresses simply yet eloquently the determination of the Southern States to withdraw from the Union. His delivery and his words stress the difficulty of this decision and at the same time reveal the sincerity and conviction of the Confederate leaders in their beliefs. The concluding scene depicts the pathos of the occasion as Southern Senators file resolutely from the Senate chamber. (H-C-A)

One reel, 6 minutes
Rental, \$1.50

JEFFERSON THE ARCHITECT (IFB)

Shows Thomas Jefferson's contributions to post-colonial architecture and design. Monticello is depicted in great detail including Jefferson's architectural work and many of the furnishings he designed. Useful for history and art classes. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.50

JERRY PULLS THE STRINGS (COFFEE COMMERCE) (AC)

Puppetry and a love story is the framework on which is hung a variety of information about coffee culture and commerce. (General)

One reel (1600 feet), 45 minutes
Rental, \$1.00

JERUSALEM (EB)

Concentrating on the historic settings and contemporary shrines of the respective religions, this film develops the theme of Jerusalem as a city sacred to the Jewish, Christian, and Mohammedan faiths. Settings and structures rich in historic association pass in review to the accompaniment of especially prepared musical score and interpretive narration. (J-H-A)

One reel, 11 minutes
Rental, \$4.00

JIGS AND FIXTURES (FP)

A valuable film to show to apprentices as it starts by setting up the basic fundamentals that are of greatest importance to every kind of machine operation. It presents the proper way to clamp and hold work for machining. (H-C)

One reel, 11 minutes
Rental, \$2.00

JOAN AVOIDS A COLD (C)

The story of a boy who violated the rules of good health and caught a cold and of a girl who obeyed the rules and didn't. (P-I)

One reel, 10 minutes
Rental, \$2.00

JOHN C. FREMONT (EB)

Dramatizes important and significant events in the rich, full life of John C. Fremont, cartographer, explorer, military general, presidential candidate, and territorial governor. Begins with Fremont's government work as explorer and map-maker in the Mississippi valley and the West. Calls attention to his association with Kit Carson, and his part in the Mexican and Civil Wars. Recalls his defeats for the Presidency and his eventual appointment as territorial governor of Arizona. (J-H-A)

One reel (800 feet), 20 minutes
Rental, \$3.00

JOHN GREENLEAF WHITTIER (EB)

Recalls highlights in the life of one of America's most beloved poets and strongest abolitionists. Begins by revealing Whittier's boyhood love for poetry. Traces his later association with William Lloyd Garrison, and follows his work as student and editor, when he began to establish himself as a writer and as an advocate of social reforms. Points out Whittier's years of seclusion at Amesbury, and reveals how, during his declining

years, he was inspired by boyhood memories to write some of his best-loved poems. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$3.00

JOHN MARTIN & SON (KF)

Is a dramatized presentation of the steps taken by a dairy farmer to improve the efficiency of his herd. He started with an average production of five thousand pounds of milk per animal per year and after the improvement program recommended by the Dairy Herd Improvement Association was in operation the milk production became eighty five hundred pounds per animal with over three hundred pounds of butterfat.

One reel (800 feet), 20 minutes
Rental, \$1.00

JOHNSON AND RECONSTRUCTION (TFC, Restricted to Classroom Use)

Is adapted from "Tennessee Johnson." Concerns the career of Andrew Johnson. As Vice President under Lincoln, he becomes President when Lincoln is assassinated. He attempts to carry out Lincoln's ideal of Reconstruction. He is bitterly opposed by Congressman Thad Stevens, leader of Congress, who seeks to deal with the South as a conquered territory. When Johnson dismisses War Secretary Stanton from his cabinet in order to test the constitutionality of the Tenure of Office Act, Stevens arouses Congress to bring impeachment proceedings against the President, but he is acquitted by one vote. Seven years after his completion of office, Johnson returns to Washington as Senator from Tennessee. (J-H-C)

One reel (1200 feet), 33 minutes
Rental, \$3.50

JORDAN VALLEY (IFB)

Presents the geographical background of the Scriptures, thus broadening the understanding of Biblical passages. A trip along the Jordan from Palestine to the Dead Sea unifies the film. Numerous places of Biblical importance are shown. Herdsmen, farmers, weavers, and fishermen are shown. Modern methods appear alongside custom 2,000 years old. (J-H-A)

One reel (800 feet), 19 minutes
Rental, \$4.50

JOSE ITURBI, HARPSICHORD (FCI)

Jose Iturbi seated at a harpsichord explains the workings of the instrument. He then plays compositions by Jean Phillippe Rameau and closeups of his feet and hands give an excellent idea of pedal work and fingering. This demonstration is followed by the playing of Liszt's "Eleventh Hungarian Rhapsody" on a modern piano. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

JOSE ITURBI, PIANIST (FCI)

This impeccable musician and dazzling virtuoso has a dynamic personality and is a human being of charm and intelligence. He has been termed "the musician's yard-stick, the critic's delight and the public's idol." Iturbi's time is divided between his duties as Musical Director of the Rochester Philharmonic Orchestra, recitals, radio and orchestral engagements. His fame as a pianist is world wide. He plays: "Sevilla" by Albeniz; "Fantasie Impromptu" by Chopin. (I-J-H-C)

One reel, 10 minutes
Rental, \$2.00

JOURNALISM (VGF)

Opening with dramatic scenes depicting the varied life of a newspaper reporter, this film goes on to describe and display his work in various specialized capacities such as society, sports, music and drama, finance, politics. Feature writing, its requirements and possibilities, are described. The story describes the work of the great press associations, and a sequence shows the opportunities for young men and women with the small newspaper. The educational preparation is presented, pointing out that the journalist's activities touch upon all phases of society. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

JULIUS CAESAR (IFB)

An exceptional cinematic report of a professionally staged and acted Scene 2 of Act III, the Forum scene including Mark Antony's Funeral Oration. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$2.50

JUMPS AND POLE VAULT (EB)

In this subject as in others, full advantage is taken of the techniques of slow motion photography for purposes of detailed study of form. The film includes demonstration from actual competition in the running high jump, running broad jump, hop, step and jump, and the pole vault. The film provides opportunity for detailed study of the varying forms employed by champions. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.50

JUNGLE YACHTS IN THE BELGIAN CONGO (IH)

The journey of the mechanized 10th Gatti Expedition of American engineers into the Belgian Congo is depicted in this film. Highlights of this 10,000 mile trip are scenes showing a great locust deluge, pictures of the Okapi—the very rare animal which scientists have termed "the living fossil," and scenes which show a visit with the Watussi Tribe of the jungle. (I-J-H)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

JUNIOR PROM (SM)

Dramatization of two boys dating, calling for and taking their girls to the very important Junior Prom during which proper etiquette is effectively presented. (Color) (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$5.00

JUSTICE UNDER LAW

(TFC, Restricted to Classroom Use)

Filmed in documentary style, this excerpted version of a feature photoplay vividly emphasizes the ideal of justice under American law and shows a true case in which a prosecuting attorney fulfilled his duty to protect the innocent as well as to punish the guilty. The film also stresses the importance of weighing evidence carefully to prevent mob hysteria and protect the individual's Constitutional rights.

In simple and direct fashion the film tells the story of the murder of a beloved clergyman. Public outrage at the brutal crime demands quick arrest and punishment of the killer. A suspect is picked up in the police dragnet, and seven witnesses identify him as the murderer. Ballistics experts state that the bullet taken from the body of the victim was fired from the revolver found in possession of the suspect. To all intents and purposes, it was "an open and shut case."

Interesting sequences depict the working of legal machinery in such a case, including the police investigations and line-up of suspects, the coroner's hearing and the arraignment.

When the prosecutor appears at the arraignment, he dumbfounds the court by entering a plea of innocent for the suspect. He proceeds to disprove each piece of evidence which seemed to doom the man to conviction. The adherence of the prosecutor to the ideal of his office frees an innocent man and provides a reassurance of faith in American justice. (H-C)

One reel (1200 feet), 33 minutes
Rental, \$3.50

KEEP THEM ROLLING (OWI)

A rousing, patriotic subject is sung, with production scenes as a kaleidoscopic background for the song. The song is sung by Jan Peerce and the audience is asked to join in the last chorus, with guiding words superimposed upon the film scenes of industry in action to "keep 'em rolling." (General)

One reel, 4 minutes
Handling charge, 50 cents

KEEP UP WITH YOUR STUDIES (C)

Treats the problem of daily assignments and how to handle them efficiently. It motivates interest in doing well on these assignments and doing them regularly. Specific and helpful suggestions on organizing study time, study materials, and study conditions are presented. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

KEEPING FIT (UI)

Shows a typical day of fitness tests and body measurements of 4-H Club boys and girls to determine what their fitness levels are. Tests given are similar to Army fitness tests, and the results are compared with data on height, weight, and body dimensions. Tables indicate what level a boy or girl of certain physical standards conforms to, and also shows correct size for children of different ages and proportions. (Color) (I-J-H)

One reel (800 feet), 20 minutes
Rental, \$2.00

KENTUCKY PIONEERS (EB)

The film shows how the settlers migrated to the West from the Eastern seaboard, braving the dangers and hardships to seek new lands, clearing lands and building log cabins. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

KIDNAPPED (TFC, Restricted to Classroom Use)

A school version of 20th Century-Fox's feature picture of the same name. (I-J-H)

One reel (1600 feet), 40 minutes
Rental, \$5.00

KIDNEYS, URETERS, AND BLADDER (B)

Gives a description of the anatomical features of the kidneys, the ureters and the urinary bladder. Animated drawings describe the functioning relationship of the parts of the system and the process of urine formation and elimination of waste matter. (H-C)

One reel, 11 minutes
Rental, \$2.50

KIDS MUST EAT (USDA)

An entertaining motion picture features the Quiz Kids, Joel Kupperman, Ruth Duskin, David Davis, and Pat Conlon, in a typical quiz session, just as they appear each Sunday evening in broadcasts over the Blue Network. Many people will learn for the first time on viewing the film that the Department of Agriculture is sponsoring a community school lunch program, and what they can do to get a similar program started in their own community. (I-J-H)

One reel (800 feet), 18 minutes
Rental, \$2.00

KING FOOTBALL (IHSA)

Presents 1949 rule interpretations of high school football. Animation is used to diagram offensive and defensive penalties. Locations and jurisdiction of game officials are shown. (H-C)

One reel (1200 feet), 33 minutes
Handling charge, \$1.50

KING MIDAS AND THE GOLDEN TOUCH (C)

An unusual version of this well-known fable of the king who coveted gold. Puppets created especially for filming are employed to teach the lesson. Other fantasies in this series are: Cow and the Sprite, Rumpelstiltskin, Honest Woodsman, The Legend of the Pied Piper. (General)

One reel, 11 minutes
Rental, \$2.00

KING WITHOUT A CROWN

(TFC, Restricted to Classroom Use)

In 1793, in Paris, the people are demanding the life of the king. He is guillotined and his son becomes Louis XVII, a king without a crown or throne. He is taken from his mother to be used as a pawn in bargaining. Disease is said to have caused his death, but doubt is expressed by many.

Fifty years later, a prince, the son of Louis Phillipe, appears in Green Bay, Wisconsin. He summons a priest, Eleazar Williams, who he has reason to think is Louis XVII. Williams was born of an Indian mother, he says. The prince's theory is then pictured.

The dauphin's place in a prison cell was taken by a sickly peasant boy and dauphin spirited away to America where he was left in the care of Indians. The prince now tells Williams that he is the son of King Louis XVI and requests his written abdication to forestall those who would still try to put him on the throne. Williams refuses this since he would be signing away the rights of his own son.

Later we see the aged sister of the lost dauphin reading an account of his claim published by Williams. She demands the truth from the son of Louis Phillipe who tells her that the story is an hallucination on Williams' part. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

KNIGHTS OF THE HIGHWAY (JH)

Pictured are the safety procedures followed by the drivers of the great commercial vans which ply our highways at night and offer tips to all motorists who drive at night.

There are suggestions for safe night driving in clear weather and in fog, which include definite information about the correct use of the headlights, the maintenance of all lights, and use of safe speeds as related to the visible distance ahead. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$2.50

KNOW THE EGGS YOU BUY (USDA)

Shows how eggs are graded and what the different grades mean. Tells when to buy and use the different grades of eggs. (C-A)

One reel, 6 minutes
Handling charge, 50 cents

KNOW YOUR BABY (NFBC)

Illustrates approved methods of care of the new baby. A home situation is shown where other children are present. The consideration and understanding necessary until the family adjusts itself to the demands of the newcomer are noted. (Color) (H-C-A)

One reel, 11 minutes
Rental, \$3.00

KNOW YOUR LIBRARY (C)

Produced in collaboration with Miss Alice Lohrer, Assistant Professor of Library Science, University of Illinois, to aid students to whom a library was a bewildering or even fearsome place. Viewers will learn something of the over-all organization of a typical high school library, how to use the card catalog, something of the Dewey Decimal System, arrangement of the books on the shelves, and how to use such supplementary materials as the encyclopaedia, the Reader's Guide and the vertical file. (Color) (J-H)

One reel, 10 minutes
Rental, \$3.00

KRAKATOA (TFC, Restricted to Classroom Use)

We see volcanoes in Japan and visit Vesuvius, Aetna, and Mauna Loa. Streams of lava flow down mountain sides, spread over plains, flow into the sea. A map shows the volcanic belts of the earth. On an animated globe we locate Krakatoa, the scene of the greatest volcanic eruption known to man. We hear that this occurred in 1883, blew half a large island into the air, produced the greatest of tidal waves, caused an air wave that was traced seven times around the world, produced dust that dimmed the sun all over the world for months after. Diagrams show the peculiar geologic factors that made this eruption possible. A remarkable sequence shows Krakatoa erupting through the ocean to throw ashes and lava high in the air. (J-H-C)

One reel (1200 feet), 30 minutes
Rental, \$4.00

LA FAMILIA SANCHEZ (SPANISH CHILDREN—IN SPANISH) (EB)

This is the story of the EB film, Spanish Children, told in simple and slow-paced Spanish. The vocabulary and sentence structure meet the needs of beginners. As we watch real Spanish people going about their daily tasks, we listen to a description about what they are doing in the language that they speak—the language which has been simplified for understanding by beginning students in Spanish. The film provides a delightful visit with a rural family of southern Spain with particular emphasis on the activities of the children of the family. (H-C-A)

One reel, 11 minutes
Rental, \$2.50

LA PAZ (CIAA)

The highest capital city in the world is La Paz, the center of a native culture that has been adjusted to living 12,000 feet above sea level since the time of the Incas. The ancient silver capital of the colonial world, Potosi, and other cities of the Bolivian highland also come into the picture. Industrial developments, Indian life and some modern trends in agriculture are illustrated. (I-J-H-C)

One reel (800 feet), 18 minutes
Handling charge, \$2.00

LA SALLE (EB)

Highlights significant events in the triumphant, yet tragic, career of Robert Cavalier, Sieur de la Salle. Reveals him first as a young Jesuit novice who leaves the order for work in the New World. Traces his association with Frontenac, his relations with the Indians, his passage down the Mississippi, and his claiming of the Valley for France. Points out the many set-backs which hampered the attainment of his major objectives, and his ill-timed death which ended his attempt to establish a settlement at the mouth of the Mississippi. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$3.00

LADY MARINES (OWI)

Is the story of the Marine Corps Women's Reserve. Previous to its organization, thousands of men were engaged in handling the complicated administrative machinery made necessary by war. To free these men to fight, the Marine Corps Women's Reserve was organized. Girls from all over the country responded to the call. Interesting details of the indoctrination period are shown. (H-A)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

LADY OR THE TIGER

(TFC, Restricted to Classroom Use)

The dramatization of Frank R. Stockton's famous story in which a princess is required to choose between sending her lover to death or to another woman. The author and the picture leave the reader in doubt concerning the outcome, and the narrator's interesting commentary highlights the unusual story. (J-H-C)

One reel, 9½ minutes
Rental, \$2.25

LAFAYETTE, CHAMPION OF LIBERTY (ACFC)

This film pictures the colonies, in the year 1777, at war with England. Then, in a room in France, several men are talking. One of them, Gilbert de Motier, better known as Marquis de Lafayette, speaks of his admiration for the American colonists and his own love of liberty. He wishes to join them and make their fight his own. However, he doubts that the King of France will give his permission.

De Motier flees in disguise to a Channel port, evad-

ing the King's men sent to stop him. He takes passage on the first ship sailing, and lands at Charleston. From there he makes the long trip to Philadelphia to offer his services to the Continental Congress. Refused admittance at the door, he appeals by letter directly to Washington.

Sent for by Washington, he offers his services and five million francs from his own fortune. Washington replies that the most he may offer the Marquis de Lafayette in return is a commission as brigadier general. Lafayette's greatest aid to the cause was at Valley Forge. He and Washington discuss the plight of their troops, and Lafayette makes the rounds to encourage the men.

His courage carried him through a turbulent life — he labored for fifty years in France for liberty. As an old man, he requests that he be buried in France, in soil brought from the bloodstained sides of Bunker Hill. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

LAND BEHIND THE DIKES — HOLLAND (UW)

In low lands by the sea, it is possible to enlarge farming areas by draining off the water and reclaiming the land. Small, densely populated countries have found this practice to be advantageous. In this picture, we study how these principles apply to the Netherlands, a low country, nearly half of whose area is below sea level. Dutch people have been working for hundreds of years making new land by draining swamps, shallow lakes, and even the sea itself. The reclaimed land, known as Polderland, is very productive. Farm products often move to market by boat on the canals. The land has been drained by dikes, canals and windmills. Today, modern pumping stations are replacing the more picturesque windmills. The work of draining the land is still going on. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

LAND OF LIBERTY (TFC)

This film epitomizes more than a century and a half of American history. It is composed of sequences from 112 different feature pictures and shorts, plus newsreels, and portrays the story of men and women who struggled to attain and defend American liberties.

It is divided into 4 units as follows:

Reel I — Colonial Period to 1805

Reel II — 1805-1860

Reel III — 1860-1890

Reel IV — 1890-1938

(General)

Each reel (800 feet), 22 minutes
Rental, each reel, \$2.50

Note: Regulations governing the use of films from Teaching Films Custodians (see page 5) have been

modified for showing of this film. It may be shown by any nontheatrical group which desires to use it for patriotic purposes provided no admission is charged.

LAND OF MEXICO (EB)

The origin, history, and present status of the people who now make up the population of Mexico are shown. Being chiefly an agricultural nation, emphasis is put on the habits and customs of the people in rural areas. Corn harvesting and grinding, home-building, beverage preparation, pottery-making, and handicraft work are among the activities shown. A clear portrayal of the culture patterns of the Mexican people is useful in focusing attention on current and persistent social problems which they face. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

LAND OF THE AZTEC (ICS)

This film pictures the glory of the ancient civilization and the Mexico of today. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

LANGUAGE OF DRAWING (McGH)

This film attempts to provide a sensible and acceptable answer to the question, "Why study mechanical drawing?" and to stimulate the beginning student's interest in the subject. (For other titles in this series see Auxiliary Views Part I.) (H-C)

One reel, 11 minutes
Rental, \$2.00

LANGUAGE OF GRAPHS (C)

Illustrates how clearly graphs can sum up a situation by showing boys and girls considering the financial and circulation problems of their school newspaper with bar, line, circle, and equation graphs to picture relationships and make comparisons. (J-H-C-A)

One reel (800 feet), 12 minutes
Rental, \$3.00

LANGUAGE OF MATHEMATICS (C)

Here is a practical application of mathematical terms; one that shows how mathematics is fundamental to our society and to every phase of modern living. In this film students see "in action" the precise and meaningful symbols of mathematics. They learn how this unique language helps them to state — and solve — problems more rapidly and accurately. A review of the use of graphs, measurements, and numerical operations is clearly presented in the conclusion. (J-H)

One reel, 11 minutes
Rental, \$2.00

LAST LESSON, THE

(TFC, Restricted to Classroom Use)

This is the story of a little French village in 1870 just after the occupation of France by Germany. A French schoolmaster is teaching his last lesson before the German school teacher comes to take his place. (J-H-C)

One reel, 10 minutes

Rental, \$2.50

LATHE OPERATION (FP)

The various operations that can be performed upon the machine are illustrated, straight turning, facing of work, boring of holes, production of a taper, screw cutting, parting, knurling, etc. Methods of holding and driving work are shown, such as chucks, on centers, faceplate, collet, mandrel, etc. (J-H-C)

One reel (800 feet), 20 minutes

Rental, \$2.50

LATITUDE AND LONGITUDE (UW)

Interpretation of latitude and longitude as angular distances from given points, rather than as imaginary lines. The use of latitude and longitude to determine a position is indicated. Film technique has been used to show section of the globe, thus demonstrating the relation between angles subtended at the center of the globe or at the axis and linear distance on the surface of the globe, also to show the connection between lines of latitude and longitude and angles subtended in the interior of the world. (J-H-C)

One reel, 11 minutes

Rental, \$2.00

LAUNDERING AND DRY CLEANING (VGF)

A trip through a laundering and dry cleaning plant shows types of work, extensive training needed, machine operations, etc. Intentionally made for vocational guidance use. (J-H-C)

One reel, 10 minutes

Rental, \$2.00

LAW AND SOCIAL CONTROLS (C)

The nature of law and social controls remains basically the same, whether demonstrated on a world-wide basis or in a relatively minor incident. Three broad areas of social control are established: customs, moral codes, and laws. Then some levels of law are explained: local, state, national, and others. (J-H)

One reel, 10 minutes

Rental, \$2.00

LAYING THE ATLANTIC CABLE (KB)

Scenes aboard a cable layer bound from Newfoundland to the Azores. Explains depth sounding and shows how a telegraphic cable is constructed and laid. (I-J-H)

One reel, 11 minutes

Rental, \$2.00

LAZY RHYTHMS (OF)

Starring the Mills brothers singing "Lazy River," "Rockin' Chair" and "Till Then." (General)

One reel, 11 minutes

Rental, \$2.00

LEAD MILLING, SMELTING, AND REFINING (USBM)

Shown in detail are the actual crushing, weighing, and sampling of ore, and the treatment received in the central assay laboratory. It reviews each step of the smelting process and illustrates the recovery of silver, casting pure lead into pigs, weighing, and transporting to freight cars for shipment to industry for conversion into useful articles. It also depicts important uses of lead. (J-H-C)

One reel (1200 feet), 34 minutes

Handling charge, \$1.00

LEAD MINING IN SOUTHEAST MISSOURI (USBM)

Opening scenes of this film show a map of the lead belt in southeastern Missouri, panoramic views of surface features, and a cross section of geologic formations. The film pictures early prospecting for surface lead and the operation of the early Scotch-hearth-type furnace, tracing the progress in underground mining methods to the present, including a description of today's miners, equipped with safety hats, shoes, and lamps, entering and leaving the cage and being transported to distant working places in passenger mine cars. A complete review of the sequences of operation in exploration by the diamond drill is illustrated by animated drawing followed by actual scenes in the development of drifts. Other phases of mining, such as the actual extraction of the ore from the earth and subsequent transportation to the mills, are also depicted. (J-H-C)

One reel (1200 feet), 33 minutes

Handling charge, \$1.00

LEARN TO SWIM (USDA)

This subject shows the "confidence method" of learning to swim as demonstrated by CCC boys and Olympic champions in famed Silver Springs, Florida. Boys illustrate the proper method of getting used to the sensation of being in the water. Next proper breathing is taught, and in shallow water they practice the flutter kick and floating. The arm movements suggested for beginners include the dog paddle stroke, sculling, and finning, after which the crawl stroke is demonstrated. The last step is learning to turn. Experts show the three kinds of kicks, and the several strokes recognized in competitive swimming. (I-J-H)

One reel (800 feet), 20 minutes

Rental, \$2.00

LEARNING FROM CLASS DISCUSSION (C)

Discussion is a vital part of our everyday life and this film offers some excellent pointers on the value and necessities of worth-while discussion. Students see that this organized conversation helps clarify ideas and provides for an interchange of information. Some of the "ingredients" of a good discussion are outlined for consideration by the audience. (J-H)

One reel, 11 minutes
Rental, \$2.00

**LEARNING TO UNDERSTAND CHILDREN:
PART I DIAGNOSTIC APPROACH (McGH)**

Diagnostic and remedial study of the educational, social and emotional problem of a ninth grader. (For other titles in this series see Broader Concept of Method Part I.) (C)

One reel (800 feet), 21 minutes
Rental, \$3.00

**LEARNING TO UNDERSTAND CHILDREN:
PART II REMEDIAL APPROACH (McGH)**

A continuation of the first film. Teacher does all she can to help pupil overcome shyness and maladjustment to school life. (For other titles in this series see Broader Concept of Method Part I.) (C)

One reel (800 feet), 23 minutes
Rental, \$3.00

LEATHER WORK (GAF)

Demonstrated is the making of a coin and key purse. A number of leather articles are displayed. A few of the most popular types of leather—snake, goat, pig, steer, calf and cow—are shown. The pattern is cut. The design is transferred to the dampened leather. The modelling is done. India ink, blended with water, provides permanent colors. The holes for lacing are registered from the pattern and punched with a hand punch. A drive punch is used for the snap buttons and the key plate. An eyelet spreader fastens the key plate. Parts are laced together. The ends are cemented inside the coin purse. A chemical compound readily available is used to clean, polish and preserve the leather. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

LEGEND OF THE PIED PIPER, THE (C)

A delightful fantasy employing puppets created especially for films. Besides being entertaining, it is educational and teaches that "we should keep our word." See listing of other fables in this series: Cow and the Sprite, Rumpelstiltskin, Honest Woodsman, King Midas and the Golden Touch. (General)

One reel, 11 minutes
Rental, \$2.00

LES MISERABLES

(TFC, Restricted to Classroom Use)

A school version of the feature-length dramatization of Victor Hugo's novel. (H-C)

One reel (1600 feet), 40 minutes
Rental, \$5.00

LES PERLES DU DJIRID (FSL)

The people of Tunisia are shown in their everyday way of living, working and worshipping. Narration in French. (J-H-C)

One reel (1200 feet), 30 minutes
Handling charge, \$2.50

LESSONS FROM THE AIR (BIS)

The children of Britain have good modern schools and enthusiastic teachers but their mental experiences would be limited to their immediate locality were it not for the British Broadcasting Corporation's daily educational broadcasts to Britain's schools. Describes the detailed planning which lies behind these broadcasts. (H-C-A)

One reel (800 feet), 14 minutes
Rental, \$2.00

LET'S CATCH REPTILES (BFS)

Ted, Dick and Susan go on a collecting trip in the fields near their home. They find a Brown-shouldered Lizard, a Bluebellied Swift, a Bluetail Skink, a Horned Lizard, a Tortoise, and a King Snake. (Color) (I-J)

One reel, 11 minutes
Rental, \$3.00

LET'S COUNT (C)

The children in this film learn that counting is much more than a mere repetition of consecutive numbers. Through the problems of counting a group of baby chicks, blocks of a house, a bag of marbles, and others, they learn to distinguish between cardinal and ordinal counting, that numerical symbols are easier to use than tally marks, and that counting can help them answer the questions, "How many?" (P)

One reel, 11 minutes
Rental, \$2.00

LET'S GO TO THE MOVIES

(TFC, Restricted to Classroom Use)

Presents an over-all picture of the background, development, and technical advances made by the motion picture throughout the years. In a rapid review of the motion picture's progress from its inception, stars and scenes from milestones of motion picture history are presented. (General)

One reel, 11 minutes
Rental, \$2.50

LET'S HAVE FEWER COLDS (C)

Simple practices can reduce substantially the number of colds we get each year and this film points out

these habits—vividly and positively. Children, and their parents, learn here the importance of avoiding contact with people having colds, avoiding chilling or overheating, and establishing good health that will prevent colds. (P-I-A)

One reel, 11 minutes
Rental, \$2.00

LET'S LOOK AT ANIMALS (YA)

An all animation film which introduces the child to animal movement, coverings, protection, food getting, environment, etc. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

LET'S MAKE CONCRETE (PCA)

Shows how to make good-quality concrete and good construction practices for farm improvements. (Color) (H-C-A)

One reel (800 feet), 20 minutes
No charge

LET'S OPEN OUR EYES (NMP)

The deadliness of syphilis is emphasized and its threat to public health generally. It presents a plea for a frank and straightforward recognition of the menace of this scourge and outlines means of public control essential to eliminate it. (H-C)

One reel, 11 minutes
Rental, \$2.00

LET'S PLAY FAIR (C)

Sharing, taking turns, obeying rules are some of the basic elements of fair play that Herbie and his brother Bill discover in this picture. Although it sometimes takes careful consideration, fair play is the way to have the most fun. (P-I)

One reel, 10 minutes
Rental, \$2.00

LET'S PLAY SAFE (POR)

Combining live photography and animation this film shows school children on the playground. Six playground incidents are dramatized showing hazardous situations developing. Just as it appears that someone will get hurt the action is stopped, and animated characters show what might happen. Then the children are given opportunity to repeat their performances, but to correct their attitudes and do it safely.

The unique device of switching from live photography to amusing animation to show dangerous situations, the easily remembered names of the six offenders, and the positive approach throughout should make this film very effective for motivating an interest in safety on the playground, especially on the intermediate grade level. (Color) (General)

One reel, 11 minutes
Rental, \$3.00

LET'S PLAY WITH CLAY: ANIMALS (YA)

Demonstrates the general character of clay, how to handle it, how to keep it smooth, how to keep it from breaking, and how to obtain a satisfactory finish. Shows how to make such simple forms as a bird, pig, rabbit, fish, cat and snowman—all by means of hand operations. (P-I-H)

One reel, 11 minutes
Rental, \$2.00

LET'S PLAY WITH CLAY: BOWLS (YA)

Sequel to Let's Play with Clay: Animals. Begins with rolling a piece of clay between the hands to make a ball, then shows how this can be worked by hand into a variety of shapes—a teacup, saucer, cream pitcher, sugar bowl, and several decorative bowls. (P-I-A)

One reel, 11 minutes
Rental, \$2.00

LET'S READ POETRY (BFS)

Tommy, a boy of 13, reads several poems and the narrator shows him how he could better understand what he reads. Designed to help the teacher stimulate interest in the reading of poetry, and to help the student understand what he reads. (I-J)

One reel, 10 minutes
Rental, \$2.00

LET'S SHARE WITH OTHERS (C)

Various examples of sharing are shown to demonstrate to children that sharing is a desirable and essential discipline of democracy. The inherent or natural limitations of sharing are illustrated but the new values and pleasures that come with sharing are emphasized. (P-I)

One reel, 11 minutes
Rental, \$2.00

LET'S VISIT A POULTRY FARM (C)

Gives students an opportunity to tour a poultry farm with Betty, a young city dweller. (P-I)

One reel, 11 minutes
Rental, \$2.00

LETTER TO GRANDMOTHER (C)

When Mary goes to mail her letter a friendly postman invites her to visit the post office. She does so and learns how mail is collected, cancelled, sorted and sent to its destination via railway, mail car and RFD carrier to her Grandmother's. (P-I)

One reel (800 feet), 20 minutes
Rental, \$3.00

LEWIS AND CLARK (EB)

Tells the story of the expedition made by Merriwether Lewis and William Clark to explore the land from the Mississippi to the Pacific Coast. Follows their

party up the Mississippi River to Mandan Indian territory in North Dakota where they established winter camp. Portrays their meeting with the Frenchman Charbonneau and his Indian wife Sacajawea who became their guides. Continues with them across the northern Rockies and down the Columbia River to its mouth. Reveals details of scientific exploration with respect to topography, natural resources, and plant and animal life. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$3.00

LIBERAL EDUCATION (USN)

John Paul Jones wrote that naval officers should be "men of liberal education." And, in using his words as guide to officer education, the United States Navy provides a most liberal education for its scholarship students enrolled at colleges under the NROTC training program. For four years, the young man in naval training gets the best in liberal education with summers spent at sea, putting to use what he has learned in his naval science classes. When the four years are through, he has become a well-educated naval officer. (Color) (H-C)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

LIBRARIAN (VGF)

A requisite for becoming a librarian is a liking to bring people and books together. The usual types of activity a general and specialized kind of librarian must engage in are well illustrated from scenes taken in libraries. The film is of value in a guidance program. (H-C)

One reel, 11 minutes
Rental, \$2.00

LIBRARY OF CONGRESS (Castle)

A pictorial tour of the Library of Congress showing its many and varied facilities and activities. (J-H)

One reel (800 feet), 20 minutes
Rental, \$2.50

LIBRARY ORGANIZATION (C)

High school and college students are expected to have a certain basic knowledge of the organization of the libraries they use, but this basic knowledge is not enough for really efficient use of the library. A more detailed understanding of library organization speeds up work in the library and makes for better studying and better use of study time. By explaining the card cataloging system and the Dewey Decimal System in use in one typical library, the film provides students with the means for making their libraries convenient and easy to use treasure houses of information. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

LIFE BEGINS (EB)

Twenty-four years of clinical practice and research on problems of infancy at the Yale Clinic of Child Development is culminated in this valuable and thorough film devoted to the behavior of children. Many comments relative to the education and mental hygiene of infants and the obligation of home, science, school and society to promote the infant's welfare are made. (See Life with Baby.) (H-C)

2 reels (1200 feet each),
33 minutes each
Rental, \$7.00

LIFE CYCLE OF A FROG (UW)

Presents a thorough and comprehensive treatment of the development of the frog from the fertilization of the egg to the emergence of the adult. The film's independence of actual time enables growth processes and movements to be sped up, and by means of close-up photography and photomicrography, a detailed analysis of structure and growth can be made by the entire audience simultaneously. (I-J-H-C)

One reel, 10 minutes
Rental, \$2.00

LIFE CYCLE OF THE MOSQUITO (YA)

A film describing the life cycle, structure, and feeding habits of the mosquito. Live action plus animation is used to show the anatomy of the mosquito egg, the larvae and pupal cases. (H-C)

One reel, 11 minutes
Rental, \$2.00

LIFE IN A DROP OF WATER (C)

These basic concepts are presented: (1) basic necessities of animal life; (2) simplest forms of plant and animal life; (3) colonial forms of simple animal life. The various single-celled forms are shown in relation to their environment, meeting the minimum problems of all life, and the relative advantages of colonial over individual life. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

LIFE IN A FISHING VILLAGE (C)

The colorful village of Gravarna, Sweden, is typical of fishing villages the world over. Here we meet Nils Larson and his family, see them at work, at school, at play. We get a revealing, behind the scenes, picture of the fishing industry, including a trip out to sea with the fishing fleet. Through this film students will get a better understanding of the part such a village plays in the world community today. (I-J-H-C)

One reel, 10 minutes
Rental, \$2.00

LIFE IN A POND (C)

Pond life is presented "in action" here showing students microscopic animals, food-chains, and a wealth of plant and animal life that provide examples of important principles of natural science. Blends natural setting scenes and controlled set-ups with a wide variety of underwater and microscopic scenes. (I-J-H-A)

One reel, 11 minutes

Rental, \$2.00

LIFE IN AN AQUARIUM (YA)

Shows the setting up of a classroom aquarium stocked with goldfish, snails and tadpoles. Explains how fish breathe under water and that all animals need oxygen. Shows the difference between lungs and gills, how fish use their tails and fins for locomotion, the stages of the development of the frog from the tadpole, and explains how the snails move about and protect themselves. (P-I-J)

One reel, 11 minutes

Rental, \$2.00

LIFE IN CENTRAL VALLEY OF CALIFORNIA (C)

Nowhere is man's conquest of nature through using nature itself more perfectly illustrated than in the Great Valley of Central California. Only a handful of the early settlers tried to make this forbidding, hot and dry land support them. Then they began to dig wells, build dams—began to give this naturally fertile soil the precious water it needed. And today, its luxurious abundance of many different crops, its thriving cities, boast of man's prosperity there. (J-H)

One reel, 10 minutes

Rental, \$2.00

LIFE IN HOT, DRY LANDS (CALIFORNIA) (C)

In a land robbed of rain, all forms of life must struggle to survive. This film tells the story of the fierce battle of survival waged by the starving plant life, the animals, and human beings of the desert who must adapt themselves to this grim existence. (I-J-H)

One reel, 10 minutes

Rental, \$2.00

LIFE IN HOT, WET LANDS (CONGO BASIN) (C)

It tells the story of how climate influences the lives of people in hot, wet lands. Set in the Congo Basin, this picture provides an authentic, accurate account of the life of a jungle boy and his family. Carefully correlated to standard texts and curriculum objectives, it shows how people adapt their clothing, shelter, social activities and food gathering to the geographic region in which they live. (J-H-A)

One reel, 11 minutes

Rental, \$2.00

LIFE IN LOWLANDS — THE NETHERLANDS (C)

Peter and Mina are very excited because Grandfather is going to show them how much of their country was claimed from the sea and made into rich polders, or farm land. After meeting a typical Dutch family, the viewer is taken on a tour of the Netherlands, including a visit to the modern city of Amsterdam. (I-J-H)

One reel, 10 minutes

Rental, \$2.00

LIFE IN MEDITERRANEAN LANDS (CALIFORNIA) (C)

Every continent has at least one example of the unusual "Mediterranean Climate," named after the lands bordering the Mediterranean Sea. This film is laid in the narrow coastal strip of Southern California, a perfect example of the climatic area. It shows how the people there live and adapt themselves, and what plant and animal life is to be found. (I-J)

One reel, 10 minutes

Rental, \$2.00

LIFE IN OLD LOUISIANA (EB)

Representative aspects of Louisiana and its key city, New Orleans, during the Creole dominance are shown. Historical and regional factors woven into the film story include: the Mississippi River, the packet boats, the Delta country, slavery, education, religion, music, and architecture. (I-J-H)

One reel, 11 minutes

Rental, \$2.00

LIFE IN PARIS

(TFC, Restricted to Classroom Use)

A descriptive travelog of the city of Paris with unusually intelligent commentary which includes historical data. (J-H-C)

One reel, 10 minutes

Rental, \$2.25

LIFE IN THE ANTARCTIC (KB)

In this picture winter and summer on the great Antarctic continent where no man lives and no animals except those that can migrate in winter, or find a home in the warmer waters of the surrounding ocean, are pictured. Also shown are the whaling industry and the Norwegian whaling station on South Georgia, the nearest human habitation to Antarctica. (J-H-C)

One reel, 11 minutes

Rental, \$2.00

LIFE IN THE MOUNTAINS (C)

Offers a fascinating film study of the conditions and adaptations to living in mountainous regions. It brings to your class a background for study of Switzerland

in pictorial form that enriches teaching units over a wide grade level. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

LIFE INSURANCE OCCUPATIONS (VGF)

Explains the role the insurance business plays in the social and economic life of our country. It shows how life insurance, employing over 300,000 men and women, offers interesting and significant career opportunities. (H)

One reel, 11 minutes
Handling charge, \$1.00

LIFE LINE (OWI)

Vivid camera shots of the attack against Rendova and Munda, the Japs' counter attack and the magnificent job of evacuating the wounded and saving their lives. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

LIFE LINE OF THE NATION (AAR)

Authentic, behind-the-scenes story of the American railroads. Shows what it takes for the backbone of the nation's transportation system to "Keep 'em rolling," and how America's railroads meet wartime emergencies. (I-J-H-C-A)

One reel (800 feet), 21 minutes
Handling charge, \$1.00

LIFE OF A PLANT (EB)

Clearly shows steps in the life cycle of a typical flowering plant, the pea. Identifies the roles of roots, stems, leaves, flower, fruit, and seed. Live-action shots are dramatized through the medium of time-lapse photography. Animated drawings reveal the functioning of the various parts of the plant. (Color) (I-J-H-A)

One reel, 11 minutes
Rental, \$3.00

LIFE OF CHRIST (ATH)

Depicts the Life of Christ through Durer's woodcuts, showing the minute observations, the perfectly caught gestures, the fleeting expressions. These details convey the full aesthetic and religious impact of Durer's works and help to "rediscover," through cinema, the greatness of this man. (General)

One reel, 11 minutes
Rental, \$5.00

LIFE OF NOMAD PEOPLE (DESERT DWELLERS) (C)

The desert tribes, moving in search of pasture and water, and following the herds that provide food and clothing, have had tremendous influence upon the course of history. From them have come many of our traditions and cultural roots. This picture brings to your classroom a simple yet rich treatment of the life

of the desert nomads. It is of superior photographic and educational merit; it is one of the finest social studies films now available. (I-J-H-A)

One reel, 11 minutes
Rental, \$2.00

LIFE OF THE SOIL (NFA)

This film deals with the use of commercial fertilizer and maximum utilization of all available organic matter. (J-H-C)

One reel (1200 feet), 33 minutes
Handling charge, \$1.00

LIFE ON A FRENCH FARM (C)

There is probably no better way to reach a real understanding of another people than to live for a little while with a typical family in their own home surroundings. In this film, the Duvals are introduced, and observed going about their daily tasks. (I-J-H)

One reel, 10 minutes
Rental, \$2.00

LIFE WITH BABY (FF)

Many of the findings of the Yale Clinic are graphically illustrated in this film, which features candid-camera sequences photographed through a one-way vision dome. (See *Life Begins*.) (J-H-C)

One reel (800 feet), 18 minutes
Rental, \$2.25

LIGHT AND POWER (FI)

Deals with the great achievements in the harnessing of electric power—achievements upon which our world now relies for its work, its play, its transportation, and communication. It shows that in the further development and proper control of electric power lies the promise of the future. (J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

LIGHT AND SHADOW (YA)

An introduction to the nature and behavior of light. Demonstrates how light rays are reflected and explains such terms as luminous, transparent, translucent, and opaque. (P-I)

One reel, 10 minutes
Rental, \$2.00

LIGHT WAVES AND THEIR USES (EB)

This elementary presentation of light includes a comprehensive explanation of the principles of reflection with plane, concave, and convex mirrors. Refraction is clearly revealed in connection with lenses and with special reference to the human eye. The principles and applications of interference are vividly portrayed. This is followed by interesting sequences on polar screens, the electromagnetic spectrum, and the quan-

tum theory. Animation is employed extensively to visualize otherwise intangible processes. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

LIMA (OIAA)

Shown are the beauties of the City of Kings, the colonial capital of the Spanish empire in the western hemisphere. The rich historical background is sketched and the modern life of the city is pictured against the background of many beautifully preserved colonial palaces and buildings. Some of the modern problems of this transplanted old-world society are indicated. (I-J-H-C)

One reel (800 feet), 17 minutes
Handling charge, \$2.00

LIMA FAMILY (OIAA)

The everyday life of a well-to-do family of modern Peru is shown in this film. How the protected women of such a house spend their time, their pride in their traditions, the formal manners and religious constancy of their lives — all come into the picture. Through this family the least changed social life of Latin America can be understood. (I-J-H-C)

One reel (800 feet), 18 minutes
Handling charge, \$2.00

LIMESTONE CAVERNS (C)

Illustrates formation and growth of stalactites, spathecones, helictites and colites and includes interesting facts about several well-known caverns. (Color) (J-H-C)

One reel, 10 minutes
Rental, \$3.00

LINCOLN IN THE WHITE HOUSE

(TFC, Restricted to Classroom Use)

When Hay brings a telegram announcing the firing on Fort Sumter, Lincoln prays for guidance and assembles his cabinet.

There is fighting between the North and the South, and when next the cabinet assembles the Gettysburg victory is announced. Lincoln refuses to think of peace without the certainty of one free and undivided nation.

In spite of his son's illness, Lincoln decides he must go to Gettysburg to speak. He is shown writing his speech on the train. When Everett is through speaking at the Gettysburg battlefield, the President is introduced and the picture closes with the Gettysburg address. In technicolor. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$5.00

LINE FROM YUCATAN, A (OIAA)

Planters of Mexico's famed peninsula meet the opportunity to provide sisal hemp when war closes sources in the Pacific. (General)

One reel, 11 minutes
Handling charge, \$2.00

LINES AND ANGLES (KB)

Presents some of the mathematical applications of basic geometry. Shows the erection of a perpendicular, and illustrates the relationship of the perpendicular to the ordinary plumb bob, level, and square. Shows how angles are formed and measured, and the relationship of angles to each other. (H-C)

One reel, 10 minutes
Rental, \$2.00

LIQUID AIR (NA)

A complex problem in chemistry is explained and demonstrated in simple experimental terms — the manufacture and uses of liquid air and other gasses. We see how liquid air flows like water; the effect of pressure and temperature on form as iron is liquefied. We see liquid oxygen and its uses; the manufacture of nitrogen, neon, hydrogen and liquid helium at 269 degrees below centigrade zero — only four degrees above absolute zero. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.25

LITERATURE APPRECIATION: ENGLISH LYRICS (C)

Gives students a new means of appreciation and understanding of the works of Tennyson, Keats, Wordsworth, Shelley, Shakespeare, and other English poets, by its translation of their works through the medium of the motion picture. The best in lyric language is presented here against the actual scenes as the poets saw them . . . the Shropshire country as Alfred Housman knew it; the surf at Dover Beach where Matthew Arnold walked; the magic of an English spring as Robert Browning dreamed of it from abroad. (J-S-C-A)

One reel, 11 minutes
Rental, \$2.00

LITTLE RED HEN (C)

Another background for reading and expression for primary grade children. Retells the famous fable in a charming combination of art and live action. Technique is unique, but to the teacher, the value of the film lies in the common class experience it offers, the vocabulary development, and the interest it excites in all language activities. (Color) (P)

One reel, 11 minutes
Rental, \$3.00

LITTLE RED RIDINGHOOD (SF)

The fairy tale, told with live actors and dialog. (P-I)

One reel, 11 minutes
Rental, \$2.00

LITTLEST ANGEL, THE (C)

The Littlest Angel comes to the Gates of Paradise a very lonely and unhappy cherub. Though he tries hard to look and act like a good little angel, he just

doesn't succeed. Finally he is summoned before the Understanding Angel where the broken-hearted little cherub tells how he wouldn't make trouble again if he could only have a box he left at home. Messengers bring the box back to Paradise, and the conduct of the Littlest Angel is above reproach. When Jesus is born, all the Angels busy themselves with the preparation of costly gifts. The lowly gift of the little box, however, is chosen by God to shine as an inspiration for all men. (Color & B&W) (I-A)

One reel (800 feet), 14 minutes
 Rental, Color \$7.00, B&W \$3.00
 \$10.00 during Nov. and Dec. (one day)
 \$7.00 other times
 B&W
 \$5.00 during Nov. and Dec. (one day)
 \$3.00 other times

LIVE TEDDY BEARS (EB)

A portrayal of the habits, characteristics, and habitat of the amusing little Australian animal called "koala" which closely resembles the teddy bear. (P-I)

One reel, 11 minutes
 Rental, \$2.00

LIVESTOCK AND MANKIND (USDA)

Here is a history of scientific research in the field of animal husbandry. Scenes include inspection of herds, study and experiment with domestic animals, issuance of bulletins to farmers on animal problems, production of motion pictures on the care of livestock, and scientific education on poultry raising. (J-H-C)

One reel, 11 minutes
 Rental, \$1.00

LIVING FLOWER (UW)

The living flowers are butterflies. Several of the more common types are pictured through their complete life cycle. (I-J-H)

One reel, 9 minutes
 Rental, \$2.00

LIVING IN A METROPOLIS—METROPOLITAN NEW YORK (UW)

Huge cities, commonly referred to as metropolises, have grown up in the last century as trading, transportation, and manufacturing centers to serve the needs of people in an industrialized, commercial nation. The giant city of New York has been selected as the Subject of this film. The portrayal of the fact that in New York City millions of people of different cultural and racial backgrounds live together in peace, all eventually becoming Americans, makes this an exceptionally engrossing film story. (J-H-C)

One reel (800 feet), 22 minutes
 Rental, \$3.00

LOBSTERTOWN (FI)

The theme of this film emerges through its documentation of a way of life in a small community based on one staple occupation. It shows how the people of the community help one another in their daily tasks, how they supply an important food to the national market, and how they in turn are provided by the large community with essential goods and services. (J-H)

One reel (800 feet), 22 minutes
 Rental, \$2.50

LOCUS (KB)

Visualizes and explains the entire concept of locus in geometry. (H-C)

One reel, 11 minutes
 Rental, \$2.00

LONDON (ICS)

A day in London, capital of the far flung British Empire. (J-H-C)

One reel, 11 minutes
 Rental, \$2.00

LONDON, CITY OF TRADITION (TFC, Restricted to Classroom Use)

A film showing some of the symbols of English tradition with a commentary which gives additional value by presenting historical facts and identifying characters of history with these old landmarks. (J-H-C)

One reel, 10 minutes
 Rental, \$2.25

LONDON NIGHT (ASFL)

A dramatization of the night's work of one of the tea cars donated by American organizations for service to Britain. The film opens with a talk by Wendell Willkie. He says that on his trip to London in the spring of 1940 he was impressed by the fine morale of the English people, which was aided and accented by the tea wagons donated by the Americans. The dramatized part of the film takes the tea car to an anti-aircraft station, to the scene of a fire, and to an air raid shelter entrance. (J-H-C)

One reel, 11 minutes
 Handling charge, \$1.50

LONG ROAD, THE (EC)

Tells the story of Kettering, Midgley and Boyd and their search for a way to eliminate fuel knock. The first public test of their discovery at the Indianapolis speed classic is shown. There is a nontechnical discussion of how motors have decreased in size while giving more and more horsepower as a result of improvement in the anti-knock quality of gasoline. (H-C)

One reel (800 feet), 20 minutes
 Handling charge, \$1.00

LOOM WEAVING (HIFS)

A girl student of the Universal School of Handicrafts threads a small loom and, following a weaving draft, goes through the entire process of weaving a pattern. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

LOON'S NECKLACE, THE (EB)

Brings to life a charming Indian legend of how the loon, a water bird, received his distinguishing neckband. Authentic ceremonial masks, carved by Indians of Pacific Canada, establish the characters of the story and portray the Indian's sensitivity to the moods of nature. (Color) (I-J-H)

One reel, 11 minutes
Rental, \$3.00

LOOPS (NFBC)

An experimental film by Norman McLaren in which sound and visuals are drawn directly on the film. To strange, fantastic sounds, loops of red and white merge, separate and perform strange convolutions on a blue background. (Color) (General)

One reel, 5 minutes
Rental, \$2.00

LORD'S PRAYER (Castle)

The Lord's Prayer, sung by the U. S. Air Force Sergeants. (J-H-C-A)

One reel, 4 minutes
Rental, \$1.50

LOST CHICK, THE

(TFC, Restricted to Classroom Use)

The adventures of two squirrels, their brothers and sisters, a mother hen and her chicks, in a story of reciprocal kindness. (Color) (P-I)

One reel, 11 minutes
Rental, \$3.00

LOST SHEEP (RFA)

The parable of Jesus enacted by puppets designed by Mabel Beaton. (P-I-J)

One reel (800 feet), 14 minutes
Rental, \$3.00

LOST WORLD, A (EB)

This production was prepared from the motion picture "The Lost World" and is based on a story by A. Conan Doyle. An absorbing exhibition, in motion, of extinct prehistoric animals re-created in full-scale, lifelike models. Battles between the reptiles, a forest fire, and the escape of members of an exploring expedition form a highly interesting and informative picture story. (H-C-A)

One reel, 10 minutes
Rental, \$2.00

LOUISA MAY ALCOTT (EB)

Portrays the life of one of America's great and popular women writers. Reveals her complete devotion to her family in assuming full responsibility for its support. Describes her service as a nurse in the Civil War and mentions her aiding national reform and improvement measures. Emphasizes her success as a writer of human interest stories, with special attention to *LITTLE WOMEN*, *LITTLE MEN*, and *JO'S BOYS*. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$3.00

LOWLANDS OF SCOTLAND (BIS)

This film is concerned with the geography and sociology of the lowlands of Scotland which stretch from Glasgow to Edinburg. The people and their ways of life—the land and its use and description—are shown. (General)

One reel (800 feet), 13 minutes
Rental, \$2.50

LUBRICATING OIL'S AMAZING MOLECULES (STO)

How lubricating oil is made and refined, using the latest types of equipment and processes. The new additives are shown which are being used to extend oil's performance abilities to meet special needs. Also presented are the many control and performance tests which today are so necessary a part of the manufacture of modern, high quality lubricating oils. (Color) (General)

One reel (800 feet), 23 minutes
Handling charge, \$1.00

LUBRICATION (USBM)

A theory of friction and practical application of lubricants to the various mechanical elements connected with our everyday life is illustrated. The film discusses when the various types of oil should be used. Lubrication affects our lives in reducing work, wear, and waste, and in conservation of materials. (H-C)

One reel (1200 feet), 30 minutes
Handling charge, \$1.00

LUCIA DI LAMMERMOOR (OF)

The tragic story of the love of Edgar and Lucia of the clans Ravenswood and Asleton. The music of Donizetti. Members of the Scala of Milan, Edgar and Lucia, although their families are enemies, fall in love. They are thwarted by the evil Lord Ashton and both ultimately die. Among the highlights of the music presented are "Sextette" and Lucia's "Mad Scene." (H-C-A)

One reel (1200 feet), 25 minutes
Rental, \$3.50

LUMBER FOR HOUSES (EB)

Traces major steps in the preparation of lumber for houses using the lumbering operations of the Pacific Northwest as the specific example. Illustrates the use of modern power tools in lumbering. Includes sequences on felling trees, sawing boards into lengths, preparing a spar tree, and loading and hauling by truck, train, and water to mill. Trimming, sawing, and stacking operations at the mill conclude the film. (Color) (P-I)

One reel, 11 minutes
Rental, \$3.00

LUMBER STATES — PACIFIC NORTHWEST (UW)

The Pacific Northwest has the finest forests of our country. The tall trees of this area are excellent for lumber, and we learn how the people work in this greatest of our lumbering sections. We see them engaged in safeguarding the forests to prevent this rich lumber supply from becoming exhausted. We learn how young people are taught to prevent forest fires and to keep young trees growing to replace those that are cut down. Washington and Oregon are prosperous because of their rich natural resources of water power, fisheries, farmlands and forests. New industries are moving into the Pacific Northwest because of the abundance of cheap electricity. In this area are the great salmon fishing grounds. One of our largest wheat growing areas lies east of the coastal mountain ranges. But of all the natural resources of the Northwest, none is more valuable than its timberlands. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

MACBETH (IFB)

Professionally staged and acted with attention to costume and set detail: Act II, Scene 2, the Murder of King Duncan and Act V, Scene 1, Lady Macbeth's Sleep-Walking. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

MACHINE MAKER (EB)

This film portrays the role of the machine tool maker in an age of technology. Operation of machines; workers' conversations on technical problems; checking and assembly line operation; and mass production in an automobile factory are among the situations developed. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

MACHINE TRANSCRIPTION — MACHINE OPERATIONS (UW)

The parts of the dictation and transcribing machines are explained and their proper use is shown, such as volume and tone controls. The resurfacing of wax cylinders on the shaving machine is demonstrated. (H-C)

One reel (800 feet), 15 minutes
Rental, \$3.00

MACHINE TRANSCRIPTION — TRANSCRIPTION TECHNIQUE (UW)

How dictation should be phrased by the beginner, by the transcriptionist with some experience, and how the expert would do the job, with particular emphasis on such important points as the modulation and pitch of the dictator's voice and intelligent use of the controls are all demonstrated. (H-C)

One reel (800 feet), 15 minutes
Rental, \$3.00

MACHINES DO WORK (YA)

Introduces the concept of simple machines. It discusses the lever, the inclined plane, the pulley, and the wheel and axle. It shows how machines help make our everyday life easier. (I-J)

One reel, 11 minutes
Rental, \$2.00

MACHINING A TOOL STEEL V BLOCK (USOE)

Shows the machining of a V-block from a solid piece of tool steel which is held in a shaper vice. The piece has been finish machined all over ready for cutting the V's and the clamping slots on the sides. The use of paper shims to assure correct seating on the parallel, setting the ram for length and position of stroke, are shown in detail. (H-C)

One reel (800 feet), 20 minutes
Rental, \$2.50

MACHINIST AND TOOLMAKER (VGF)

The machinists and toolmakers, who are always in demand, must be able to use measuring devices and be able to read blueprints. Other factors as to the nature of the knowledge and training needed to hold one of these jobs are told in this film in an easily understood manner. Also explained and demonstrated are the five ways of machining metals. (H-C)

One reel, 11 minutes
Rental, \$2.00

MADAME CURIE (MGM)

Presents the story of the discovery of radium. Traces the work of the Curies in separating radium from pitchblende and shows the scientific method and processes involved. (J-H-C-A)

One reel (800 feet), 24 minutes
Rental, \$4.00

MADERO OF MEXICO

(TFC, Restricted to Classroom Use)

Is the story of the life of Francisco Madero, Mexican revolutionary leader and the President of Mexico following the reign of the Diaz Government. (J-H-C)

One reel, 11 minutes
Rental, \$2.25

MAGIC ALPHABET

(TFC, Restricted to Classroom Use)

This film deals with the discovery of Vitamin B₁ by Dr. Christian Eijkman, and with the later discovery of other vitamins which play such an important part in the health of our nation. The importance of sufficient vitamin intake necessary to maintain good health is stressed. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

MAGIC IN AGRICULTURE (EC)

The fascinating story of Farm Chemurgy, what it is, what it holds in store. (H-C)

One reel (1200 feet), 30 minutes
Handling charge, \$1.00

MAGIC OF IRELAND (TWA)

A general picture of Ireland, giving glimpses of rural and urban life. The film shows historic landmarks of the Emerald Isle, including ruins of great castles and the old Blarney Castle with its famous Blarney Stone. Some of the countryside is shown, illustrating the colorful beauty of the land. The film is narrated by a gentleman with a gay Irish brogue, and he tells us, at the conclusion of the film, that we have seen sights "you will always see in the mind's eye when dreamin' of old Ireland." (General)

One reel, 10 minutes
Handling charge, \$1.00

MAGNESIUM — METAL FROM THE SEA (USBM)

Research methods and present processes of obtaining magnesium are shown in animation and by natural photography. The structural properties and industrial and domestic uses are illustrated. Film ends with some speculation as to future uses. (J-H-C)

One reel (800 feet), 23 minutes
Handling charge, \$1.00

MAGNETISM (C)

What magnetism is, how it differs from electricity and how it works. The film discusses (1) types of permanent magnets, (2) attraction and repulsion, (3) making magnets, (4) fields of force, (5) electro-magnets and their uses, and (6) everyday uses of magnets. (I-J)

One reel, 11 minutes
Rental, \$2.00

MAGNETS (YA)

Demonstrated in this film are the properties of temporary and permanent magnets, and the principle of polarity. Film is built around a magic show. (I)

One reel (800 feet), 13 minutes
Rental, \$2.00

MAILMAN (EB)

Emphasizes importance of mail in our lives and shows mailman's relation to mail service. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

MAIN DISH, THE (NFBC)

This picture shows conservation needs and food planning in regard to wisely chosen cuts of meat. Various cooking methods are demonstrated to help housewives plan meals economically. By planning and cooking well, the wartime housewife is earning thanks from the nation as she helps solve the problems of rationing during a national food emergency. (J-H-C)

One reel (800 feet), 18 minutes
Rental, \$2.50

MAINE HARBOR TOWN — CAMDEN, MAINE, NORTHEAST, U. S. A. (UW)

In New England, the thin, stony soil makes farming difficult. Fortunately, other resources can be developed to provide a livelihood. In this film we see the Keller family, living near Camden, Maine, illustrate how the ingenuity of a people can supplement the income derived from farming rugged lands in a climate with a short cool growing season. We see them capitalizing on other natural resources. Employment is obtained in near-by industrial plants. The Kellers provide shelter for tourists who come to enjoy the recreational facilities of New England. Some of their neighbors earn part of their living from the harvest they reap from the sea. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

MAINTAINING CLASSROOM DISCIPLINE (McGH)

Explains the fundamentals of proper control of class conduct and attitude. Contrasting methods of handling a class are demonstrated. (For other titles in this series see Broader Concept of Method Part I.) (C)

One reel (800 feet), 14 minutes
Rental, \$3.00

MAINTAINING GOOD WORKING CONDITIONS (USOE)

Several cases where improvement in working conditions resulted in increased production and better satisfied workers are enacted. (H-C)

One reel, 9 minutes
Rental, \$2.00

MAINTAINING QUALITY STANDARDS (USOE)

The role of the supervisor in maintaining quality as well as quantity is made clear by incidents involving

poor instructions, carelessness, and lack of pride in good workmanship. (H-C)

One reel, 10 minutes
Rental, \$2.00

MAINTAINING WORKERS' INTEREST (USOE)

Various workers are shown doing poor work because their jobs hold no interest for them. The point is made that the supervisor should be alert to detect and remedy these situations. (H-C)

One reel, 11 minutes
Rental, \$2.00

MAKE MINE FREEDOM

(TFC, Restricted to Classroom Use)

In humorous but effective fashion, this animated cartoon stresses the necessity to adhere to our Constitutional guarantees. A subversive agent in the guise of a quack medicine man offers "Ism," his miraculous nostrum for all social ills, in exchange for liberty. He paints a rosy picture of life for all who take this medicine, until a thoughtful character challenges his claims and describes the plight of those who gave their freedom in exchange for this poisonous dosage. An industrialist, a farmer, a laborer and a merchant who had been listening to the quack's glib sales talk, then recall their blessings under our Constitution and reject "Ism" in no uncertain terms. (Color) (J-H-C-A)

One reel, 10 minutes
Rental, \$2.00

MAKE WAY FOR YOUTH (YMCA)

A dramatic film narrated by Melvyn Douglas. It tells the exciting story of one community — and it may be yours. Startled into action by tragedy, the folks of this typical American town — young and old — get together on a youth program — and the fences between neighborhoods, races and religions begin to break down. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$2.50

MAKE YOUR OWN DECISIONS (C)

Failure to make decisions often leads to worry and even ill-health, while the ability to decide for yourself is a prerequisite to more mature and successful living. Presents a series of five questions that illustrate the alternatives that exist in every situation and shows how each contributes to making a self-reliant and a psychologically mature individual. (J-H-A)

One reel, 11 minutes
Rental, \$2.00

MAKING BOOKS (EB)

Tells the story of book manufacturing from author's manuscript to finished product. Typesetting, page-forming, electroplating, printing, binding, and covering

— all these processes are depicted comprehensively but simply. (P-I)

One reel, 11 minutes
Rental, \$2.00

MAKING BRICKS FOR HOUSES (EB)

Calls attention to the important role of bricks in most types of modern construction, and describes how bricks are made. Illustrates the various uses of bricks for building purposes, and then follows their step-by-step manufacture by portraying first how the materials are assembled, pulverized, and mixed; then how the bricks themselves are shaped, cut, dried, baked, and finally graded for color and quality. (P-I)

One reel, 11 minutes
Rental, \$2.00

MAKING COTTON CLOTHING (EB)

Tells the story of a child's cotton print dress from the designing of the original to the pressing and packing of hundreds of dozens of garments in a modern mass production garment factory. (P-I)

One reel, 11 minutes
Rental, \$2.00

MAKING ELECTRICITY (EB)

Provides a demonstration of how electricity is made by moving a coil of wire through the field of a magnet. Explains first how a small, hand-powered generator is constructed and how it operates; then illustrates how the same principle applies in generating electricity at a large hydro-electric plant. Reveals finally how electricity is carried over power lines to our homes. (I-J-H)

One reel, 10 minutes
Rental, \$2.00

MAKING GLASS FOR HOUSES (EB)

Shows how sand, limestone, and soda ash are obtained and converted into glass, both in a laboratory and in a modern industrial plant. (P-I)

One reel, 11 minutes
Rental, \$2.00

MAKING OF A MURAL (EB)

Produced in color, provides an excellent opportunity for observing and studying the important processes involved in the planning and completion of a typical mural composition. After providing a complete overview of the many steps leading up to the final process, the film depicts the actual painting of the mural itself. (Color) (J-H-C)

One reel, 11 minutes
Rental, \$3.00

MAKING OF PUPPETS, THE (BFS)

To best illustrate the method, the film follows the making of a puppet from beginning to end.

The clarity and simplicity with which this produc-

tion has been made are great assets to the film. Any beginner, regardless of grade level, will be able to follow the simple instructions given in the film. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

MAKING SENSE WITH SENTENCES (C)

Why should we use complete sentences when we write? Often we do not speak in complete sentences, yet we are understood. What is a complete sentence, anyway? These and other questions about "complete thoughts" and how they are expressed are answered in this unusual film. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

MAKING SHOES (EB)

Complete step-by-step process of how shoes are made. (P-I)

One reel, 11 minutes
Rental, \$2.00

MAKING THE MOST OF SCHOOL (C)

Opens students' eyes to the infinite riches which school offers them beyond their day-to-day assignments. Like Carl, other students will learn that merely "getting by" isn't nearly as interesting as participating in class discussions, investigating opportunities for additional learning, taking an active interest in clubs and sports. (I-J)

One reel, 10 minutes
Rental, \$2.00

MALAGUENA (OF)

Jacques Thibaud fingers magic from his violin in this interpretation of Albeniz's "Malaguena"—a universal favorite. (J-H-C)

One reel, 5 minutes
Rental, \$1.50

MALAY PENINSULA (C)

Cities like Singapore are studied in relation to Malaya and the rest of the world. The customs and religion of the people are seen in their sociological context. Malaya is seen not only as a land influenced by western ideas, but as a region which, in turn, is an indispensable part of our international economy and society. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

MAMMALS OF THE COUNTRYSIDE (C)

Treats the common animals of the countryside as friends or enemies of the farmer. The film is a readiness device, and shows the appearance, environment and habits of the skunk, red fox, woodchuck, etc. (I-J)

One reel, 11 minutes
Rental, \$2.00

MAMMALS OF THE ROCKY MOUNTAINS (C)

Designed to illustrate how seasonal adaptations of mountain animals are correlated with their changing food situation. Beginning near the top of the mountain with the permanent residents—mountain goat and bighorn sheep—the film proceeds downward through the timber, showing mule deer, porcupine, beaver, marmot, and other typical mammals and their varying ways of adapting to seasonal change. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

MAMMALS OF THE WESTERN PLAINS (C)

Establishes the concept of all class differentiation among mammals through differences in dentition—that dentition depends upon diet. The theme is the conservation of our large game animals—antelope, buffalo, elk, etc. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

MAN AGAINST MICROBE (MLI)

The film pictures the war which medical science has successfully waged against disease. It opens with a dramatic portrayal of the London Plague in 1665 and later scenes present Leeuwenhoek, Pasteur, Lister, and Von Behring. The film features the practical application of scientific discoveries, as in diphtheria immunization, milk pasteurization, the prevention of sepsis, etc. (I-C)

One reel, 11 minutes
Handling charge, \$1.00

MAN IN THE BARN, THE

(TFC, Restricted to Classroom Use)

Is the dramatization of a theory that John Wilkes Booth did not die until 1903 when, as David E. George, he committed suicide.

The scene shifts to 1865. Torchlight parades celebrate the end of the Civil War. A man rushes out through the stage door of Ford's Theatre, escapes on horseback. Twelve days later, Booth is trapped in a burning barn. A single shot is heard. Booth's body is removed to a gunboat where a doctor who once operated on Booth's neck claims there is no resemblance to Booth, although the dead man has a scar on his neck. Seven people, however, identify Booth, and his initials are found tattooed on his arm. But rumors persist that this is not Booth. We learn that, strangely enough, the telegraph wires unaccountably went dead on the night of the assassination; that one of the main roads to the South had been neglected by searching troops; that the sentry who let Booth pass was not questioned. We return to Oklahoma in 1903 where George lies dying. He has the same characteristics as Booth and a damaged hand. (J-H-C)

One reel, 11 minutes
Rental, \$2.25

MAN-MADE CANYON (USBM)

Presents the story of the "open pit" nickel mine—the largest of its type and one of the most unique mining operations in the world. You will see the most unusual methods that had to be created to make the world's richest deposit of nickel available for use. (J-H-C)

One reel (800 feet), 22 minutes
Handling charge, \$1.00

MAN ON THE ROCK, THE

(TFC, Restricted to Classroom Use)

The question is "Was it Napoleon or his double who died at St. Helena?" Here we have a dramatization of a theory that it might have been his double.

In St. Helena on May 5, 1821 within the house Napoleon lies dying. The scene turns back to Napoleon as emperor; his strategy of employing a double to officiate for him at many public functions. After Waterloo, he is condemned to St. Helena forever, and his beloved son is held a virtual prisoner in Austria.

Napoleon's double, Rebaux, who had returned to his farm with his sister, disappears.

Shortly thereafter an optical shop is opened by a man who resembles Napoleon. After the news of Napoleon's death, he closes the shop, gives his assistant a letter to deliver to the King of France if he has not returned in three months.

In Vienna a man climbing the wall where Napoleon's son is imprisoned is shot by a sentry. He murmurs in French "Duke of Reichstadt-son." A French official looks at the face, orders the body instantly hidden. In 1853, a jeweler, the former optical assistant, relates that his silence was purchased for 100,000 crowns. The records state that Rebaux died at St. Helena, but the date is crossed out. (J-H-C)

One reel, 11 minutes
Rental, \$2.25

MAN WITHOUT A COUNTRY

(TFC, Restricted to Classroom Use)

In 1805, Lieutenant Nolan joins Aaron Burr on the Ohio River to aid Burr found a new empire beyond the Mississippi. He is halted and arrested by the colonel, father of Marion, the girl in the story.

A military court demands to know of Nolan whether he has violated his oath of allegiance. Nolan curses the United States and says he hopes never to see his country again. He is sentenced to spend the rest of his life on a man-of-war where he could never see nor hear of his country again. Years later, Marion visits Nolan on the ship and finds that he is the loneliest man in the world. Lincoln tells her that he is arranging for Nolan's return to America, and she dies in Lincoln's presence. The picture closes with a phantasy in which Nolan's spirit joins hers, both of them young again. In technicolor. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$5.00

MAN'S GREATEST FRIEND

(TFC, Restricted to Classroom Use)

"Man's Greatest Friend" pictures the dog in its service to mankind. The wolf dog, in the dawn of history, followed its master. Today, police dogs guard children, while during the War, dogs aided in the search for wounded men, leading the rescue party and sometimes losing their own lives through their devotion.

The scene shifts to a town in eastern France, in the year of 1831. The cry of mad dog drives the people into their homes, and from the safety of a window a young boy sees the dog attack a child. We see him next as a man—Louis Pasteur. He prepares a vaccine and gives daily treatments to four dogs which had been given hydrophobia. They are immune to the disease.

Requests for his vaccine come from all over the world, but he hesitates. No attempt has been made to determine its effects on human beings. He plans a self-experiment. A mother brings her boy who had been bitten by a suspected mad dog. He still holds back, but keeps the boy in his home for observations. When the symptoms develop, he injects the vaccine and two weeks later the boy is cured. (J-H-C)

One reel, 11 minutes
Rental, \$2.25

MANUFACTURED ABRASIVES (USBM)

The opening scenes re-enact the experiment that led to the discovery of carborundum and shows use of power generated from Niagara Falls in manufacture of abrasive products. The making of aloxite, another type of abrasive, is shown. The removal of hardened grinding wheels from kiln after two weeks of continuous firing, truing side, metalbushing arbor holes, dressing peripheries, and placing wheels in stock rooms, ready for shipment, are pictured. The film closes with scenes showing making of abrasive paper and cloth used in woodworking and metalworking industries and in finishing automobile bodies. (J-H-C)

One reel (800 feet), 22 minutes
Handling charge, \$1.00

MAPS ARE FUN (C)

Introduces the fundamental concepts of map reading through the story of Ronnie, who is trying to draw a map of his paper route for his friend Dick. His map isn't satisfactory, so they call on Mr. Donaldson, a kindly old cartographer. At Mr. Donaldson's suggestion, the two boys build a scale model of Ronnie's neighborhood at a sand table.

By creating their own map and examining other maps in Mr. Donaldson's workroom, the boys learn the principles of scale, symbols, physical and political maps, various uses of color, and how to use a map index. (Color) (I-J)

One reel, 10 minutes
Rental, \$3.00

MAPS WE LIVE BY (ASF)

Depicts the role maps have played and are playing in the development of the world and the advancement of its people. (I-J-H)

One reel (800 feet), 17 minutes
Rental, \$3.00

MARC ANTONY OF ROME

(TFC, Restricted to Classroom Use)

Adapted from the photoplay, "Cleopatra," the film traces the part played by Caesar's impetuous general in the crucial period which preceded Octavius' rise to power. (J-H-C)

One reel (800 feet), 23 minutes
Rental, \$3.00

MARCH OF THE MOVIES (MOT)

This film traces the development of our newest art form during its brief span. Work of compiling information and preserving films is shown as well as scenes from many of the greatest pictures, including D. W. Griffith's *Birth of a Nation*, the first American feature; Al Jolson's "Mammy" from *The Jazz Singer*, the first successful sound film; Lewis Milestone's *All Quiet on the Western Front*; modern foreign films (*Henry V*, *Volpone*, *Shoe Shine*) and many other cinema classics. (General)

One reel (800 feet), 22 minutes
Rental, \$2.25

MARINE ANIMALS AND THEIR FOODS (C)

This film effectively demonstrates the interrelation of marine animals and their surroundings by showing various sea animals and the five general types of food on which they depend. Such common marine animals as the sea anemone, sea urchin, barnacle and octopus are included. Special attention is devoted to specific adaptations of these animals for obtaining one or more of the main type of food. (J-H)

One reel, 11 minutes
Rental, \$2.00

MARINES HAVE LANDED (IH)

An excellent film of the U. S. Marines, their life and activities. Included are many scenes of Marines in action, landing parties, etc. Mobile operations are also shown. (H-C)

One reel, 11 minutes
Handling charge, \$1.00

MARINES' HYMN, THE (OWI)

This stirring song of the United States Marines is sung against a magnificent background of action scenes. (General)

One reel, 4 minutes
Handling charge, 50 cents

MARIONETTES (GAF)

Produced at the Universal School of Handicrafts, Rockefeller Center, New York. The film shows and

demonstrates the steps in constructing a clown marionette and the tools which are necessary to achieve that end. The body is made of a block of sugar pine. Indicated portions are cut away. The shoulders and body are rounded with a coarse file. The legs and arms are cut from 3/4" dowel. Cotter pins are used as joints. The foot is shaped and weighted with lead. A stuffed chamois glove is nailed to the arms. Legs and arms are attached to the body. The head is modeled in clay, greased and a plaster mold is made. A thin rubber hollow composition cast is made and painted with poster color. The head is attached to the body. The finished marionette is shown. Small screw eyes are placed in indicated positions and fishline strings attached. The control is made from lattice strips and strings attached. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

MARITIME PROVINCES OF CANADA (EB)

The film orients the maritime provinces in relation to the remainder of Canada and the United States. It interestingly portrays the settlement of the region including migrations to and from the United States. Sequences include fishing, fur farming, lumbering, farming, mining, and smelting. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

MARRIAGE FOR MODERNS: CHOOSING FOR HAPPINESS (McGH)

This motion picture is a dramatization of the problems in selecting a mate. The message is another in the series of basic problems of courtship and marriage, discussing frankly through youthful characters the various conditions which affect marital relationships. The films employ dramatic episodes to show typical young people faced with these problems, working out successful behavior patterns, and making adjustments. (C-A)

One reel (800 feet), 22 minutes
Rental, \$4.00

MARRIAGE FOR MODERNS: IT TAKES ALL KINDS (McGH)

This is a discussion of specific personality patterns — importance of knowledge of them in evaluating the behavior of a prospective marriage partner. The fundamental idea, implicit in all films in this series on the basic problems of courtship and marriage, is that in many instances timely analysis and intelligent adjustment can spell the difference between success and failure in personal relationships. (C-A)

One reel (800 feet), 22 minutes
Rental, \$4.00

MARRIAGE FOR MODERNS: MARRIAGE TODAY (McGH)

A realistic visual treatment of the ideals and goals of adult love—marriage and children and a satisfactory and happy martial relationship. It is another in the film series on basic problems of courtship and marriage, discussing frankly the various conditions which affect martial relationships. The films have a strong emotional appeal showing typical young people faced with these problems, working out successful behavior patterns, and making adjustments. (C-A)

One reel (800 feet), 22 minutes
Rental, \$4.00

MARRIAGE FOR MODERNS: THIS CHARMING COUPLE (McGH)

A dramatic narrative study of "romantic" love—the falsity of the ideas it engenders and goals it sets up. It is another in the film series on basic problems of courtship and marriage, discussing frankly the various conditions which affect martial relationships. The films employ dramatic episodes to show typical young people faced with these problems, working out successful behavior patterns and making adjustments. (C-A)

One reel (800 feet), 22 minutes
Rental, \$4.00

MARRIAGE FOR MODERNS: WHO'S BOSS (McGH)

Presents the problems of married partner's adjustment to each other and to married life. It is another in the film series on basic problems of courtship and marriage, discussing realistically the various conditions which affect martial relationships. The films employ dramatic episodes to show typical young people faced with the problems, working out successful behavior patterns, and making adjustments. (C-A)

One reel (800 feet), 22 minutes
Rental, \$4.00

MARRIAGE IS A PARTNERSHIP (C)

Answers the need of young people who, under the influence of romantic fiction, think of marriage as a shining goal in itself. Breaking away from the popular slightly idealized trend towards thinking that all it takes to "live happily ever after" is love, the film sets out to establish a positive approach towards marriage—to answer some of the major problems that arise during the first married years. Arguments, responsibilities, decisions, loyalties and other marital questions are raised and discussed in this film story. (H-C-A)

One reel (600 feet), 17 minutes
Rental, \$2.50

MARRIAGE TODAY

See

MARRIAGE FOR MODERNS: MARRIAGE TODAY**MASTER WILL SHAKESPEARE**

(TFC, Restricted to Classroom Use)

A brief and somewhat fictionalized story of the life of Shakespeare. The picture opens with scenes along the Avon and in the village of Stratford. We see the house where he was born, the school he attended, and the cottage of Ann Hathaway where he wooed his bride. Shakespeare is shown walking along the road with a box of clothes and a play sticking out from the side. He arrives at the Blackfriars Theater in London where he gets a job as keeper of the horses. Winning the attention of the proprietor Burbage, he gets promoted to prompter in the theater. He wins applause of the audience by his impromptu substitutes for lines for an actor who forgot. This he repeats and finally he is writing whole scenes and later whole plays. He is seen signing his name to his first great historical drama, "Henry VI." Next we see him in a tavern with Thomas Dekker and Ben Jonson demonstrating how a sword should be used in an act. Now he appears before Queen Elizabeth and pleases her with his acting. She commends that a play be written depicting a love affair for the buffoon Falstaff. The "Merry Wives of Windsor" was produced in fourteen days. Then came "Twelfth Night" and "Much Ado About Nothing." But that his own favorite was "Romeo and Juliet" is shown and a brief history of this play given. (J-H-C)

One reel, 11 minutes
Rental, \$2.25

MASTERS OF SACRED MUSIC (UW)

Presented in this film are some of the major contributions made to sacred music by Beethoven and Bruckner, and scenes enriched by their lives. Selections include Beethoven's Fifth Symphony, Symphony Pastorale, Missa Solemnis, Symphony Eroica and Bruckner's Fourth Symphony. (I-J-H-C)

One reel, 8 minutes
Rental, \$2.00

MASTERS OF THE SOIL (EC)

Shows how soil is tested, how fertility can be maintained by selection and rotation of crops, how soil can be preserved and rain run-off prevented by planting of cover crops and contour farming. (H-C)

One reel (800 feet), 23 minutes
Handling charge, \$1.00

MATT MANN'S SWIMMING TECHNIQUES FOR BOYS (C)

Mann's teaching techniques for the crawl, back-stroke, breast and butterfly strokes are illustrated from land drills to slow motion analyses in water. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$2.50

MATT MANN'S SWIMMING TECHNIQUES FOR GIRLS (C)

Application of Mann's technique in teaching girls the crawl, breast stroke, backstroke and butterfly stroke. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

MATTER AND ENERGY (C)

Presents the basic concept that everything in the universe is composed of matter and is affected by energy. Matter in its different forms is presented, and elements, compounds, and mixtures are defined. Physical and chemical changes of matter are explained with familiar examples, and the law of the conservation of matter is demonstrated. Although no attempt is made to explain the molecular or atomic properties of matter and energy in this elementary film, it ends with a brief exposition of atomic energy to serve as a challenge to the student and a basis for more advanced study. (Color) (J-H-C)

One reel, 10 minutes
Rental, \$3.00

MEANING OF FEUDALISM (C)

Students are sure to get a new history experience when they see and study a feudal castle with Jacques, a French boy who lives in an ancient town below the castle. This film presents the physical elements and more, it recreates the flavor and spirit of feudal times. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

MEANING OF LONG DIVISION (EB)

Animated drawings picture divisor and dividend by scales. Subtraction is accomplished as the divisor scale pushes portions equal to itself in length away from dividend scale. Gives a true quantitative picture of these repeated subtractions. (I)

One reel, 11 minutes
Rental, \$2.00

MEANING OF PERCENTAGE (YA)

Relates the meaning of percentage to hundredths both as fractions and as decimals. The meaning of common percentages is developed and related to social situations. (I)

One reel, 11 minutes
Rental, \$2.00

MEANING OF PI (C)

This film develops an understanding of this important mathematical ratio and outlines a study procedure by which the numerical value of pi can be checked and reviewed. In careful step-by-step procedure, the numerical value of pi is arrived at and sequences showing the use of circles in art, industry, and commerce help to fix the value firmly in the

student's mind. In a closing sequence, the discovery of pi is described as one of the great advances in history. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

MEANING OF THE INDUSTRIAL REVOLUTION (C)

For us today, living in an age of machines, the question of "How did this begin?" is necessary to an understanding of our times. With this film your students will discover answers to our own age as they relive in England the 18th century revolution that was the change-over from hand tools, from water power to steam power. From the quiet rhythm of the spinning wheel to the multiple whirring of Hargreaves' spinning jenny to the steady pulse of a Watt flywheel, your audience will see and feel the exciting drama of industrial achievements that revolutionized Western civilization. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

MEASUREMENT (C)

Don, a boy of twelve, encounters everyday situations involving measurement of the seven kinds treated in the film: linear, square, cubic, weight, liquid, temperature, time. The illustrations are simple ones, but they highlight the importance of measurement to modern living and motivate the study of means and tools of measuring. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

MEASUREMENT OF ELECTRICITY (C)

David, concerned about overloading a household circuit, falls asleep while studying a book on electricity. In his dream, which follows, the four scientists whose names have been adopted as the four basic units of electrical measure speak to him from the book. The film teaches the fundamental definitions and the physical concepts involved in the volt, ampere, ohm, and watt. (J)

One reel, 10 minutes
Rental, \$2.00

MEAT AND ROMANCE (Castle)

Gives authentic and practical information to consumers on buying, cooking, carving and serving meat, in addition to the nutritional value of this important food. (J-H-C-A)

One reel (1600 feet), 40 minutes
Handling charge, \$1.00

MEAT FOR AMERICA (ARCO)

This film, sponsored by Armour and Company, gives the complete story of origin and processing livestock to meat products. (I-J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

MEATS WITH APPROVAL (USDA)

How federal meat inspection came into being and how it is administered. Illustrates inspection procedures from slaughter pens to cannery. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$2.00

MECHANICS OF LIQUIDS (C)

The dynamics of hydraulics are excellently introduced in this physical science subject. Ideas are presented in semi-story form, thus helping to relate the subject to the world about us. (J-H)

One reel, 11 minutes
Rental, \$2.00

MECHANISMS OF BREATHING (EB)

In this picture the breathing mechanism in operation is revealed. Technical animation portrays gaseous exchange in the lungs and body tissue cells, including pathological conditions. A demonstration of artificial respiration is provided. By means of animation and photography the nervous control of breathing and factors affecting rate and depth of breathing are shown. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

MEDIEVAL WORLD (C)

From the English walled city of York, from the Flemish guildhalls of Ghent, from the French cathedral of Chartres comes the film framework of the Medieval World. Knights and feudalism, Chaucer's Pilgrims, castles and crusades, these words and ideas take on meaning and relationships in this exciting visualization of medieval times. (I-H-J-A)

One reel, 11 minutes
Rental, \$2.00

MEETING THE CHALLENGE (BO)

A comprehensive survey of the operations on the 6000-mile Baltimore & Ohio railroad. Included with scenes of present activity are scenes of early development of the railroad, with shots of early structures and engines. The operation of the Curtis Bay coal pier and coal and ore docks at Lorain, Ohio, on Lake Erie is also shown. These facilities were put into use in 1948. (General)

One reel (1200 feet), 30 minutes
Handling charge, \$1.00

MELODY PARADE (UW)

Charley Barnet and his orchestra with Kay Starr, Dorothy Allen, June Hutton, and Gray & Diane. (General)

One reel (800 feet), 20 minutes
Rental, \$2.50

MEN AND THE SEA (OWI)

This picture deals with the training in detail of men of the United States Navy. It shows their training in the classroom and aboard ship. The necessity of well-trained sailors is stressed. (General)

One reel, 11 minutes
Handling charge, \$2.00

MEN OF FIRE (BFS)

The evaluation of fire fighting methods, equipment and training past and present is reported realistically with occasional touches of humor. (General)

One reel, 10 minutes
Rental, \$2.00

MEN OF MEDICINE (FF)

Some of the problems facing young and practicing doctors are presented. Among these problems are giving adequate medical care for people of low and middle incomes and some of the proposals for distributing these benefits. The film is exceptional both as a social documentary and for vocational use. (J-H-C)

One reel (800 feet), 15 minutes
Rental, \$2.50

MEN OF OUR AGE (OF)

A critical and analytical study of both the works of Jo Davidson, and of the people who have been his subjects. It was photographed at the National Institute of Arts and Letters, and at the American Academy of Arts and Letters. It is quite remarkable for its mobile treatment of inanimate subjects. (H-C-A)

One reel, 11 minutes
Rental, \$3.00

MEN OF WEST POINT

(TFC, Restricted to Classroom Use)

Relates the story of West Point men, showing phases of their training and their graduation exercises. (I-J-H)

One reel, 11 minutes
Rental, \$2.50

MERRY CHRISTMAS (SF)

The world famous Vienna Boys' Choir sings many of the world's most beloved Christmas Carols. Story of film shows boys preparing for a festive Christmas party. (I-J-H)

One reel (800 feet), 17 minutes
Rental, \$3.00 (one day)

MERRY CHRISTMAS (UW)

Catches all of the life, suspense, expectancy and excitement that mounts for more than months to the glorious day of December 25th. Woodsmen in the forests are hunting for your snow-tufted trees; farmers are fattening the holiday turkeys; craftsmen are perfecting new presents for Junior and Sister. With quick-

ening pace, store windows blossom with moving displays of marvelous appeal; streets hum with shoppers. Finally the Eve of the great day arrives—and with it is Santa Claus himself. (P)

One reel, 11 minutes
Rental, \$3.00 (one day)

METAL CRAFT (EB)

Presents and explains the steps taken by a master craftsman in making a pewter bowl by spinning and shaping a blank for later soldering to a cast base. The craftsman then creates a bronze bowl by raising, smoothing, annealing, planishing and burnishing a blank disc. Methods of constructing a candlestick mold, inserting the core, pouring, removing, and finishing the pewter cast are demonstrated. The designing, chasing, shaping, and soldering the sides and top of a jewel box also are shown. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

METAL CUTTING TOOLS (FP)

This film starts with the structure of metal, and an explanation of its properties. It shows in detail how a chip is produced. This naturally develops the reasons for the various angles that are incorporated in practical tools, such as: clearance, back and rake angles, etc. The reasons why certain ways of setting up are correct, while others are wrong. Causes and cure of chatter. Both single and multi-edge tools are explained. These are but a few of the many subjects explained. This film lays the foundation for the student that will enable him to understand how to get the most efficient production from any machine tools. (H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

METALS AND NON-METALS (C)

Here is another film that accomplishes a specific instructional task for a specific science unit. It shows clearly the relationship of laboratory work to a general understanding of metals and non-metals and helps eliminate the need for many demonstrations by the instructor or assistant. While basically intended to be shown as part of the unit study, "Metals and Non-Metals" can also be shown with value as an introductory experience or after completion of the unit as a "spot" review. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

MEXICAN CHILDREN (EB)

By means of authentic photography, the home life of the Mexican child is brought to the screen to provide American and other children of primary grade age with an idea of the cultural patterns of modern Mexico. Consideration also is given to the Mexican

child's preparation for citizenship, his kinds of recreation, the types of toys he plays with, his style of clothes, and his local travels and explorations. In all, the film develops a better understanding and appreciation of our neighbors in Mexico than most children ever acquire. As with other primary grade pictures, it can be used for motivating a number of classroom projects. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

MICKY AND SIMON LEGREE (BRF)

Havoc breaks loose as Mickey Mouse and his friends interpret Uncle Tom's Cabin. (General)

One reel, 5 minutes
Rental, \$1.00

MICKY AND THE GIANT (BRF)

Mickey climbs beanstalk; struggle with giant in castle; almost swallowed in sandwich. Gag with pepper in giant's face. Escapes after setting fire to beanstalk, causing giant to fall through earth to China. Based on "Jack and the Beanstalk." (General)

One reel, 5 minutes
Rental, \$1.00

MICKY AND THE LILLIPUTIANS (BRF)

Mickey, as Gulliver, is found on the shore by the tiny people. He battles the little men, then fights with a great spider to win their friendship. (Based on "Gulliver's Travels".) (General)

One reel, 5 minutes
Rental, \$1.00

MICKY GIVES A PARTY (BRF)

The gang has a buffet supper at Mickey Mouse's house. There is some fast dancing that sets the furniture into action, and it takes up the rhythm and joins in the fun. As the noise and activity increase, the police enter to quiet things, but find the dance too inviting and soon join the party. (General)

One reel, 5 minutes
Rental, \$1.00

MICKY PLAYS SANTA CLAUS (BRF)

Christmas at Minnie's; tree trimming. Find basket of kittens at doorstep. They wreck house; strip tree; take gifts and candy. (General)

One reel, 5 minutes
Rental, \$2.00

MICKY SAVES THE AIR MAIL (BRF)

Mickey, pilot, eludes Pete, mail bandit. Chase and battle in planes. Mickey captures Pete, saves the mail and is hero of the day. (General)

One reel, 5 minutes
Rental, \$1.00

MICKEY'S EXCITING PICNIC (BRF)

Mickey, Minnie, Horace, and Clarabelle go camping. Horace swats a mosquito who becomes angered. Soon, the mosquito's friends attack the picnickers in an army "V" formation, but Mickey routs them with a clever device. (General)

One reel, 5 minutes
Rental, \$1.00

MICKEY'S TRICK HORSE (BRF)

Mickey is a jockey in a big race. Horse gets sick — so Mickey puts two colored stable boys in horse costume. Gag with hornets causes Mickey's horse to win. (General)

One reel, 5 minutes
Rental, \$1.00

MICROMETER, THE (USOE)

Depicts the various types of micrometers that are in common use in industry, and explains how micrometers are read and emphasizes their correct use and care. Animated diagrams are used to explain the nomenclature of the micrometer. Variations of the micrometer in the form of outside, inside, and depth micrometers are demonstrated and the correct reading of the barrel and thimble scales are shown. The film closes with a review of the main points to be observed in using these precision measuring tools. (H-C)

One reel (800 feet), 22 minutes
Rental, \$2.50

MICROSCOPE AND ITS USE, THE (YA)

A demonstration film explaining the basic parts of the microscope, its function, and its use. It explains thoroughly, step-by-step, the method of learning to operate and use the microscope properly. Attention is given throughout the film to proper care of the instrument. (J-H-C-A)

One reel, 10 minutes
Rental, \$2.00

MIDDLE EAST — ISRAEL (UW)

This film vividly contrasts the subsistence farming with antiquated tools which continues in some semi-arid regions with the new settlements where irrigation and mechanized farming are producing excellent crops. Old cities with rich religious monuments are contrasted with the new cities and busy ports where industries are developing, oil is arriving by long pipe lines and is being refined. We see immigrants arriving and going to cooperative settlements where they work on farmlands which have been recently wrested from the desert. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$3.00

MIDDLE STATES, THE (EB)

Presents in sequential form an overview of man's use of resources in the states of Minnesota, Iowa, Mis-

souri, Illinois, Wisconsin, Michigan, Indiana and Ohio. Domestic and European migration and population trends are indicated by animated drawings. Agricultural and industrial projects in each section are portrayed and relationships are noted with particular reference to other regions of America. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

MIGHTY COLUMBIA RIVER, THE (C)

In shooting scenes of the work of the Bonneville and Grand Coulee dams, the Kodachrome camera captures the tremendous force and vitality that make the Columbia not only the largest river flowing into the Pacific from the west coast of our continent, but also one of the world's greatest sources of hydroelectric power. It is also one of the world's important sources of fish. (Color) (I-J-H-C)

One reel, 11 minutes
Rental, \$3.00

MILDRED DILLING, HARPIST (FCI)

The technical proficiency of this leading woman harpist is matched by a stage presence "subtly and charmingly in accord with the shining blond instrument at which she sits." In the past five seasons she has appeared before 355 select audiences in America and Europe. She plays: "The Fountain" by Zabel; "March of the Men of Harlech" — Welsh Air arranged by John Thomas; "Fireflies" by Hasselmans. (I-J-H-C)

One reel, 10 minutes
Rental, \$2.00

MILK (EB)

The dramatic story of milk from the dairy farm to the table is presented. The use of machines is emphasized without stressing technical details. (P-I)

One reel, 11 minutes
Rental, \$2.00

MILLING MACHINE, THE (USOE)

This subject demonstrates a standard plain milling machine. The pictures and commentary indicate the basic principle of the milling machine, a revolving cutter and a movable table that holds the work. The necessity for a rigid cutter set-up is shown and explained. The movements of the table are demonstrated. Use of index dials on the hand-wheels in controlling the movement of the table to within a thousandth of an inch is emphasized. The speed and feed selectors are located and their function demonstrated. The nomenclature of the machine is explained. (H-C)

One reel (800 feet), 22 minutes
Rental, \$2.00

MILLING MACHINE OPERATIONS (USOE)

Presents the operation of a milling machine so that it can be easily understood by the beginner. The vari-

ous types of cutters, and the work that can be done on this machine are shown. Conventional and climb milling are explained and the reasons for each are given. Also shown are the various methods of holding work and precautions to be taken. (H-C)

One reel (800 feet), 22 minutes
Rental, \$2.50

MINT, THE (TFC, Restricted to Classroom Use)

Here is the inside story of Uncle Sam's newest coinage plant at San Francisco. It shows coinage from the initial artist's design through lettering on the original clay model; making the plaster model by hand; reproduction of the finished bronze replica; and transferring it to the small die which strikes off coins. The whole mechanical process of mixing metals, stamping and annealing coins, polishing, checking for defects, and counting is given. (I-J-H)

One reel, 11 minutes
Rental, \$2.25

MINUTES ARE PENNIES (FF)

Is a story that deals with basic methods of work. By tracing an order through the hands of the filing clerk, the stenographer, the telephone operator, the salesman and the office boy we see the inefficient methods they use in their work. The order is cancelled because it is late in arriving at the delivery entrance. The manager realizes that certain persons have been responsible for this cancellation and he explains to them the proper working methods in an organization. (H-C)

One reel (800 feet), 22 minutes
Rental, \$3.00

MIRACLE MAKERS

(TFC, Restricted to Classroom Use)

After tracing the development of water, steam and electric power, this film, through shots of the cyclotron at the University of California, stresses the potential importance of the atom as a source of future power. (H-C)

One reel, 11 minutes
Rental, \$2.25

MIRACLE OF LIFE (NA)

By means of microscopic photography, the everlasting mystery of cell development, cell division, egg growth, insemination and life forms, are vividly portrayed. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.25

MIRACLE ON THE MESA (AS)

Scenes from the life of the Hopi tribe on the mesas of Arizona. Here in this dry climate, farmers raise their corn and tend their sheep while the women make pottery and do the household chores. The eagle dance is performed each year, intoning their gods to send the needed rain. Other films in this series are: *Pueblo*

Heritage and *Seminoles of the Everglades*. (Color) (General)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

MISSION ACCOMPLISHED (OWI)

This is the story of the first all-American raid over occupied Europe. American crews, piloting their Flying Fortresses, attack the railroad yards at Rouen and return safely to their base in England. (H-C)

One reel, 10 minutes
Handling charge, \$2.00

MISSOURI AND ITS NATURAL RESOURCES (USBM)

The diversity of a State whose mineral resources range from barite and coal to lead and zinc is emphasized. Missouri's factories produce almost everything from aspirin to zippers, and its population is balanced almost evenly between urban and rural. The State as a transportation and communication center both today and in history is pictured, as well as its agricultural prosperity and recreational facilities. (Color) (General)

One reel (1200 feet), 33 minutes
Handling charge, \$1.00

MR. FARMER BUILDS A SEPTIC TANK (PCA)

Shows the many benefits received from running water and safe sewage disposal system. (Color) (H-C-A)

One reel (800 feet), 20 minutes
No charge

MODERN BASKETBALL (IHSA)

In game situations and in slow motion the rules of high school basketball are shown. The rules outlined in detail are: how the ball becomes alive, how the ball becomes dead, the dribble, types of fouls, both personal and technical, and pivoting.

One reel (1200 feet), 30 minutes
Rental, \$2.50

MODERN DIXIE

(TFC, Restricted to Classroom Use)

We are taken on a trip through Louisiana with New Orleans our first stop. While we see its modern skyline and busy streets, the commentator explains its importance as a shipping center for the products of the South, especially cotton, rice and molasses. Then the narrow, crooked streets of the old Colonial city. Here the slave quarters of some of the old, abandoned homesteads are still occupied by negroes. Several scenes show the sugar and rice industry. A short sequence shows the gathering of Spanish moss. We next come upon negroes picking cotton. At the wharves it is loaded onto boats by modern mechanical means. A session is going on in the cotton exchange whose members act for buyers all over the world. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

MODERN FOOTBALL (OSFS)

Interpretation of football rules demonstrated by players in action. (H-C-A)

One reel (1200 feet), 28 minutes
Rental, \$1.50

MODERN FRANCE: THE LAND AND ITS PEOPLE (C)

France of today is vividly presented here — from the wheat fields of Normandy to the factories of Nancy. Steel workers, grape growers, fishermen and truck gardeners are shown, bringing a “human” approach to any study unit on France. Geography, language and social studies teachers will find a wealth of material in this picture of French life. (I-J-H-A)

One reel, 11 minutes
Rental, \$2.00

MODERN GUIDE TO HEALTH (YA)

Done altogether in animation, it uses a cartoon-type presentation to discuss such health factors as posture, selection and care of clothing, and the importance of sleep and rest. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

MODERN HAWAII (C)

The camera moves to the “Paradise of the Pacific” to bring romantic Hawaii, in all its natural splendor, to the classroom. Hawaii is seen as it lives and prospers. There is the home port of our Pacific fleet — Pearl Harbor — and our great military bases. It is shown how Hawaii, as a scenic haven, economic asset, transportation crossroads, and outpost fortress, ranks among the most important possessions of the United States. (I-J-H-C)

One reel, 10 minutes
Rental, \$2.00

MODERN LITHOGRAPHER, THE (EB)

Describes in detail the techniques of lithographic artists and the processes of duplicating black and white and color originals by means of direct and photo-offset lithography. The roles of the commercial photographer and the modern printing press in the mass production of attractive art prints including advertising materials, are portrayed. The relation of commercial art to problems of present-day living is indicated. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

MODERN WEATHER — THEORY AND STRUCTURES OF STORMS (AAF)

Deals with the circulation of the atmosphere which creates the prevailing winds. Animation and maps, combined with commentary, explain the principles of the air currents created by the tropical regions and the

polar regions and the deflection of these winds in terms of the earth turning on its axis. This provides an explanation for the prevailing westerlies and the formation of the trade winds. An explanation that six degrees of Fahrenheit for each 1,100 feet of ascent is lost, combined with the explanation that cooling reduces the capacity to hold moisture, serves as a basis for an elementary explanation of polar fronts. (J-H-C)

Part I — Primary Circulation

One reel (800 feet), 18 minutes

Part II — Development and Characteristics of Atmospheric Waves.

One reel (800 feet), 15 minutes
Rental, \$2.50

MOLECULAR THEORY OF MATTER (EB)

Evidence of molecular activity in gases, liquids, and solids is presented in support of the molecular theory of matter. Animated drawings explain such phenomena as the diffusion of gases, the evaporation of liquids, and the transformation of liquids into solids, in terms of the theory. Among the features of the film are the machine gun illustration of the force exerted by molecules in action, and the microscopic view of the Brownian movement, direct evidence of molecular motion. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

MONARCH BUTTERFLY (SM)

Begins with the development of the caterpillar into the chrysalis and depicts each successive phase of development to the evolution of the adult butterfly. (Color) (I-J-H-C-A)

One reel, 11 minutes
Rental, \$3.00

MONROE DOCTRINE

(TFC, Restricted to Classroom Use)

Against a background which shows the struggle of the United States to become free from European domination, this subject dramatizes the development of the Monroe Doctrine and the Congressional fight made by Clay and Webster for its establishment and declaration by President Monroe in 1823. Instances of its application are shown in California (1845), Cuba (1852), Mexico (1868), Venezuela (1895) and Santo Domingo (1905). Especially appropriate and timely are the references to the South American republics by Clay and Webster. In technicolor. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$5.00

MOON, THE (EB)

By means of animation and other cinematic devices this film presents dynamically the story of the moon. The difficult concept of tides is clearly explained, as are the phases of the moon. Other lunar phenomena explained by special cinematography and animation

are: the moon's orbit; the lunar month; sunrise and sunset on the moon; occultation of stars; the moon's path in space; lunar eclipses; and solar eclipses with special reference to the eclipse of 1932. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

MORE DANGEROUS THAN DYNAMITE (BFS)

Fires can start from electric irons, poorly placed light cords, cigars, cigarettes, rubbish and using gasoline for cleaning. An object lesson in safety. (General)

One reel, 10 minutes
Rental, \$2.00

MORE MILK (USDA)

The need for increased milk production is presented. For this increase the country looks, not to the large commercial dairy herds which are already producing to capacity, but to small farm herds of a dozen cows, or less. If these cows are given the same feed and scientific care the high producing cows get, their production will go up as high as ten, fifteen, twenty per cent or more. The film suggests some of the ways in which this increase can be brought about. (J-H-C)

One reel, 10 minutes
Rental, \$1.00

MOSQUITO (EB)

Life cycle of mosquito, traits and habits, disease-carrying characteristics, and steps for control are shown. (J-H)

One reel, 11 minutes
Rental, \$2.00

MOSQUITO — THE PUBLIC ENEMY (USDA)

This film discusses the mosquito as a pest affecting man and beast; varieties and life history; safeguards and methods of control. (General)

One reel (800 feet), 20 minutes
Rental, \$2.50

MOTHER DUCK'S SURPRISE (YA)

Tells of Mother Duck's disappearance from the back yard; of Father Duck's search for her, inquiring of all the other animals in the back yard; and of how Mother Duck finally is found. Shows Mother Duck sitting on her nest hatching a brand new family of ducklings. (P-I)

One reel, 11 minutes
Rental, \$2.50

MOTHER GOOSE STORIES (BFS)

Mother Goose steps out of the nursery rhyme book and brings some of her favorite characters to life, including Little Miss Muffit and Humpty Dumpty, portrayed by animated figurines. (General)

One reel, 11 minutes
Rental, \$2.00

MOTHS (EB)

A large silk moth and the white-masked tussock moth are followed in detail through their life histories. The silk moth caterpillar is shown at work in the construction of its unusual cocoon. The secluded life of the female tussock moth is revealed. All the steps in their life cycles are portrayed. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

MOTION STUDY APPLICATIONS (UIO)

Technical film on common hand motions and illustrates how knowledge of motion economy leads to better and easier ways of working. Applications illustrated are: pin board assembly, folding cartons, assembling ice cube grids and inserting papers in mailing envelopes. (C)

One reel (800 feet), 20 minutes
Rental, \$3.00

MOTION STUDY IN ACTION (UIO)

Illustrates that principles of motion economy can be applied to almost any kind of manual work. (C)

One reel (800 feet), 20 minutes
Rental, \$3.00

MOTIVATING THE CLASS (McGH)

Bill, the young student teacher of this film, is enthusiastic about his first class in geometry. He can see the wider implications of mathematics for the youngsters, but because he is unable to translate these values in terms they can understand, the class becomes bored and restive, and Bill's first day as a teacher is not a success. The ensuing conference with his sympathetic supervising teacher guides Bill to plan for learning situations that will be of immediate concern to his young people. Bill gives the problem some deep thought and the next day tries again. This time he makes the speed of a jet plane the focus of class interest instead of having to fight against the distraction it offered on the previous day. In subsequent lessons he encourages a spirit of class competition by staging a contest featuring models of geometric figures; he releases abundant physical energies both in the classroom and by taking his students out of doors for other demonstrations. Class interest and class achievement skyrocket together, for now learning situations are aimed toward goals each child can recognize as attainable and desirable. The child's desire for individual and group distinction is met and satisfied. The film ends by stating that this factor of adequate motivation is basic to all good teaching and the techniques and psychological principles that Bill employs to provide it apply with equal force in any area of the school curriculum. (C-A)

One reel (800 feet), 19 minutes
Rental, \$4.00

MOUNTAIN BUILDING (EB)

By employing animated drawings and models "Mountain Building" re-enacts significant events in geological history. The subsidence of the land about the mouth of the Hudson River, the story of the Appalachian Mountains, and the spectacular Lewis Overthrust in the Rocky Mountains are vividly portrayed. The film opens with a photographic survey of evidence which constitutes the basis of these interpretations, and closes with a consideration of the significance of these phenomena to mining and structural engineering. (H-C)

One reel, 11 minutes
Rental, \$2.00

MOUNTAIN FARMERS — SWITZERLAND (UW)

In a land that is very mountainous, where living presents many difficulties, we learn that by turning some of the apparent disadvantages into advantages and by using natural resources to their fullest extent, it is possible for people to live happy, prosperous lives. By living in the film with a family of the Emmenthal Valley of Switzerland, we see how this resourceful nation has developed a flourishing economy from high-quality dairy products, abundant hydroelectric power, and the exploitation of their tourist industry, of the very mountains themselves. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

MOVIE STAR MICKEY (BRF)

There is a Hollywood premiere for Mickey's huge success. The setting is Grauman's Chinese Theater. Stars attended who are caricatured in the film. But Mickey soon finds it's all a dream. (General)

One reel, 5 minutes
Rental, \$1.00

MOVING X-RAYS (NA)

Demonstrates uniquely the application of X-rays on motion picture film. Via motion picture X-rays, we are privileged to watch all the action inside a human anatomy. One of the great contributions of modern science put to practical use. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.25

MUDDY WATERS (USDA)

A story of land use and abuse in the Southwest. Shows conditions when the white man came and how his two great industries, grazing and farming, depleted soil-binding vegetation, resulting in destruction of the soil by floods and erosion. The film points the way to necessary remedial measures. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

MULTIPLICATION IS EASY (C)

The teaching and learning of multiplication is made easier through this film, another in the arithmetical series: *Let's Count*, *Addition Is Easy*, and *Subtraction Is Easy*. This reel demonstrates the procedure of multiplication, shows why this process is important to know, and shows the main steps in learning how to multiply. (I-J)

One reel, 11 minutes
Rental, \$2.00

MUSIC IN AMERICA (MOT)

How jazz was derived from Negro folk music, how great composers like George Gershwin got their inspirations from the popular idiom of their time is shown. (J-H-C)

One reel (800 feet), 17 minutes
Rental, \$2.25

MUTINY ON THE BOUNTY

(TFC, Restricted to Classroom Use)

This is the story of the struggle between Captain Bligh and his men during the days in British maritime life when the members of the crew were harshly treated by their officers in command. The struggle in this well-known story finally results in the establishment of wholesome relationships aboard ship which have become a tradition of the British Government and British maritime shipping and have become common practice in all the navies of the world. The material for this subject has been taken from the Metro-Goldwyn-Mayer feature picture. (H)

One reel (1600 feet), 40 minutes
Rental, \$5.00

MYRA HESS (BIS)

Myra Hess plays the first movement of Beethoven's Sonata in F Minor — the Appassionata Sonata (piano). (General)

One reel, 10 minutes
Rental, \$2.00

MYSTERIES OF WATER (KB)

Water is considered, in this film, as a chemical, and as a food. The action shows water behaving as man's friend, a worker, a builder, and in turn as his enemy and a destroyer. Both natural and animated photography are employed to make clear the generalized ideas considered.

This film is intended to give the pupil a survey of the various ways in which water affects our earth. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

NATION IS BORN, A (RKO)

Is the first comprehensive motion picture report on the fledgling Philippine Republic, born July 4th. Traces of the thrilling story of Filipino resistance throughout

World War II, and the problems facing the government of President Roxas. (General)

One reel (800 feet), 20 minutes
Rental, \$2.50

NATION'S BUILDING STONE, A (ILU)

In the Bloomington-Bedford limestone area of Indiana are the great beds of building stone used all over America. The film shows how the stone is quarried and shipped to the fabricating mills. In the mills, the stone is split into slabs and shaped to meet desired patterns. The whole process is shown clearly and in a most interesting manner. (General)

One reel (800 feet), 18 minutes
Handling charge, \$1.00

NATION'S CAPITAL, THE (FF)

Presented is a workday in the life of a Congressman — occupied from morning until late at night with the complexities of the nation's affairs. (J-H-C)

One reel (800 feet), 15 minutes
Rental, \$2.25

NATION'S SEARCH FOR GRASS, A (KB)

The story of the herds people of Iran, their homes and their flocks, how each year thousands of them drive their flocks over snow covered mountains to summer grasslands is depicted. This film is taken from the epic "Grass." (J-H)

One reel, 11 minutes
Rental, \$2.00

NATURAL RESOURCES OF THE PACIFIC COAST (C)

The Pacific Coast overflows with a richness of natural resources seldom found in other areas of the world. The giant magnitude of its lumbering, fishing, farming and mineral industries can be seen in all its true-to-life vividness as the creation and servant of man. The necessity for conserving our natural resources is presented strikingly. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

NATURE OF COLOR (C)

Beginning with a view of a rainbow, the film presents in logical sequence an explanation of the nature of color in physical terms. Closing scenes apply color principles in the arts, color printing and photography. (Color) (J-H-C)

One reel, 10 minutes
Rental, \$3.25

NATURE OF ENERGY (C)

Clarifies the scientific concept of energy simply and interestingly. Shows the relationships of atomic energy to the other forms of energy. Attempts to give a basic

understanding to general scientific advancements in the areas of electricity, sound, light and heat. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

NATURE OF LIGHT (C)

As two boys on a fishing trip make practical use of what they learn about light, students learn the characteristics of light. From their study of a near-by lake, they learn that light is a form of radiant energy producing the sensation of sight, and they also discover the principles of reflection and refraction. (J-H)

One reel, 11 minutes
Rental, \$2.00

NATURE OF SOUND (C)

Teaches sound with sound, illustrated, animated, and in motion. (J-H)

One reel, 11 minutes
Rental, \$2.00

NAUGHTY MARIETTA

(TFC, Restricted to Classroom Use)

A classroom version of MGM's feature film. The story of a princess who flees to Louisiana to escape a distasteful marriage at the court of Louis XV and in New Orleans, falls in love with a dashing soldier of fortune. Of chief importance is the playing and singing of the two leading roles by Jeanette MacDonald and Nelson Eddy. (General)

One reel (1600 feet), 44 minutes
Rental, \$5.00

NAVAJO CHILDREN (EB)

Here are revealed the experiences of a Navajo boy and girl in moving with their family, household effects, pets, horses, sheep, and goats from their winter quarters to their summer home. Following a day's journey by wagon, they camp for the night with other Navajos and after the evening meal sing native songs. In the morning, the Navajo boys hold a marksmanship contest with bows and arrows. Another day's travel brings the family to their destination. Repairing their home, planting crops, caring for their sheep and goats, and rug weaving are among the activities shown. Navajo conversation and songs vitalize this stimulating learning experience for primary grade boys and girls. (P-I)

One reel, 11 minutes
Rental, \$2.00

NAVAJO INDIANS (EB)

Reveals the geographic environment, activities, and customs of the Navajo Indians. It shows their tasks and leisure pursuits; their homework of cooking, weaving, and gardening; and the experiences of a Navajo mother at a trading post. Silversmithing, bartering, home building, and a native dance are depicted, along

with reproductions of conversation and music. Scenes of a Navajo wedding ceremony and feast are provided. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

NAVAJO INDIANS (C)

Geographic environment, activities and customs of the Navajo Indians are shown. Cooking, weaving, gardening, silversmithing, bartering, home building, and a native dance are depicted, along with reproductions of conversations and music. (Color) (I-J-H)

One reel, 10 minutes
Rental, \$3.25

NAVAJO SAND PAINTING (EB)

The traditional sand painting healing rite as performed by a Navajo medicine man for his ailing son reveals the beauty of a unique art form and stresses its significance in the tribal life of the Navajos. Actual sand paintings are presented in full detail against the Southwestern landscape. (Color) (I-J-H)

One reel, 10 minutes
Rental, \$3.25

NAVIGATION — TIME (Castle)

A careful study of time relationships over the world. Shows, by animated diagrams, how Civil Time, Apparent Time, and Siderial Time are determined, and shows the relationship of time and date between various points on the earth's surface. Relation of time to discovering position not treated. (H-C-A)

One reel (1600 feet), 40 minutes
Rental, \$2.50

NAZIS STRIKE (OWI)

Compiled from American, United Nations, and enemy-captured movies and further clarified by means of animated charts and maps, this film traces the history of Nazi aggression up to and including the Polish conquest. Germany's urge to impose its rule on the world has been a recognized fact. The symbols and the leaders change but the desire for world domination continues. A study of Geopolitics clarifies the German plan — the attainment of military control of states with their value to Germany boiling down to two factors — labor and raw materials. The film ends with shots of Churchill eloquently refuting the Nazi claim that the democracies would never fight for their convictions, and with words of hope, he promises the eventual utter defeat of the Axis aggressors. (H-C)

One reel (1600 feet), 43 minutes
Handling charge, \$3.50

NEAR HOME (BIS)

This is a film about good teaching. To illustrate several principles that are basic to good teaching, a

class and teacher study the community in which they live. In the study of the community, the pupils and the teacher can be observed in a learning process that takes advantage of an inherent interest in things nearby. (General)

One reel (1200 feet), 25 minutes
Rental, \$2.00

NEGRO COLLEGES IN WARTIME (OWI)

Wartime activities being carried on in America's Negro Colleges, from Army classes in automotive mechanics to scientific experimentation in laboratories, are shown. (J-H-C)

One reel, 8 minutes
Handling charge, \$2.00

NEGRO SOLDIER, THE (OWI)

A documentary film depicting the role of the Negro soldier in World War II and in the development of the United States. Professional cameramen toured the country for shots of camp life, basic training and simulated warfare for this film. These sequences, together with recreations of historical events and footage from newsreels, are given continuity as illustrations of a Negro minister's sermon to his congregation. (J-H-C)

One reel (1600 feet), 40 minutes
Handling charge, \$3.00

NERVOUS SYSTEM, THE (EB)

Animated drawings describe the structure and function of the central nervous system, including the anatomy of the spinal cord, axones, dendrites, nerve bundles, receptor and effector organs. The nature of the nerve impulse and reflex arc are also presented. Microphotography reveals the intricate nature of nerve cells. Close-ups compare the differentiated reactions of an amoeba, a plant, a frog, and a cat. Amplified sounds of actual nerve impulses in man and a cat are reproduced. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

NEW CHAPTERS (NFBC)

Shows the part the public library can play as a workshop, lecture hall and resource center for a planned cultural activity of the community. Particular emphasis is placed on the provision of facilities for children's activities in the fields of art, music, story telling and play reading. (Color) (J-H-A)

One reel (800 feet), 14 minutes
Rental, \$3.50

NEW EARTH (EFLA)

The authentic record of a vast land-reclamation project in the Zuyder Zee of Holland is contained in this film. It shows in detail the stages of this giant engineering project begun in 1920 and requiring ten years for completion. This film is a valuable docu-

ment suitable for use in many types of study and for all age levels. (I-C) One reel (800 feet), 18 minutes
Rental, \$2.50

NEW ENGLAND (FF)

Nowhere are the symbols and traditions of this nation's past more real and more alive than in New England. The film presents this New England background as well as the beauty of its mountain and coastal areas. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

NEW ENGLAND: BACKGROUND FOR LITERATURE (C)

Now your classes can explore Thoreau's pond, sit snugly at Whittier's hearth and thrill to see the ensign flying from Old Ironsides. Here is the New England as we know it through the works of Bryant, Emerson, Longfellow, Whittier, Thoreau, Holmes and Alcott. The works of these authors will take on new meaning as students see and experience the New England materials out of which they are built. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

NEW ENGLAND FISHERMEN (EB)

In the opening sequence of this picture, the spirit of the Gloucester fisherman is captured from domestic life situations of a fisherman, concerning his precarious way of making a living. Following this, a schooner sets out for the Grand Banks. As the fishing grounds are approached, the crew make ready their lines and hooks with which they will fish in small boats. After the small boat is filled, it returns to the schooner to unload and start afresh. Work and living conditions aboard a steam trawler which drags a fishnet along the ocean floor, are also portrayed. With their holds full of fish, both schooner and trawler journey to the Boston fish piers. (I-J)

One reel, 11 minutes
Rental, \$2.00

NEW FRANCE, THE (FF)

This film will help you to understand the political problems of France, the necessity for a National Planning Council, and the indomitable spirit of the French people. (J-H-C)

One reel (800 feet), 17 minutes
Rental, \$2.25

NEW FRONTIERS OF MEDICINE (MOT)

Here are the newest medical miracles—the discoveries of men who are working to make life longer and better. New drugs such as sulfa, penicillin, streptomycin; new fields of study such as the Rh blood factor, the artificial kidney, brain surgery, nutrition; progress

in the old fields such as heart disease, cancer, rheumatic fever—all are covered in the film. (General)

One reel (800 feet), 17 minutes
Rental, \$2.25

NEW ROADWAYS

(TFC, Restricted to Classroom Use)

"New Roadways" makes reference to types of news disasters which occupy the first pages of newspapers, and the constructive discoveries which are mainly relegated to back pages. The latter type of news is pictured.

In the laboratory, glass is rolled like a carpet and spun into cloth. Cotton, corn and wood are utilized to form new substances. Treasures of the sea are sought—the beach is plowed and seeded for clams; factories are constructed to draw up food from the sea. The sun is harnessed, a solar heat machine being used to produce steam which in turn operates a generator for an electric refrigerator. Next, experiments on white mice are shown.

The true value of plastic surgery is presented in its ability to restore broken men disfigured either from war or industrial accidents.

The commentator closes with the statement that it is this group of discoveries and workers which builds for the future. (J-H-C)

One reel, 11 minutes
Rental, \$2.50

NEW ROMANCE OF GLASS (BB)

An instructive film taken in one of the largest plants manufacturing glass jars. Many views depicting the processes in the manufacture of glass products are shown. The history of glass from its early discovery by the Phoenicians to the modern method of blowing glass jars by machinery. Demonstration of cold pack canning. (J-C)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

NEW SOLDIERS ARE TOUGH (OWI)

Made during the early part of World War II, shows many of the new war tactics developed at that time. Some scenes of commando training, of shock troop tactics in cities, ends with scenes of a commando raid of a Norwegian town. (H-C-A)

One reel (800 feet), 22 minutes
Rental, \$2.00

NEW SOUTH, THE (FF)

The famous Berry School is shown typifying the new South's intelligent and effective efforts to solve the problem of educating all her people to a better balanced economy. (J-H-C)

One reel (800 feet), 17 minutes
Rental, \$2.25

NEW SUPERVISOR TAKES A LOOK AT HIS JOB (USOE)

A young workman has just been made a line supervisor. In the interview with the superintendent, he is shown that in his new job, he must learn to get results by working with people instead of machines. (H-C)

One reel, 11 minutes
Rental, \$2.00

NEW WAYS IN FARMING (FF)

Three distinct tendencies today are shown. First of these is large-scale factory-style farming. Second is the cooperative technique. Third is the way of the traditional independent farmer. (J-H-C)

One reel (800 feet), 15 minutes
Rental, \$2.25

NEW YORK CALLING (NYC)

We are taken by train to the beautiful city of New York through picturesque mountains passing West Point and following the Hudson River so that we can enjoy the many scenic spots of its shores. Among the other scenes shown are: Park Avenue, Staten Island, the New York Aquarium, Statue of Liberty, Brooklyn Bridge, the New York Hospital, the Zoo, Wall Street, George Washington Bridge, Columbia University Library, and the Empire State Building. Filmed in technicolor. (I-J-H)

One reel (800 feet), 22 minutes
Handling charge, \$1.00

NEW YORK: STORY OF A CITY (SM)

A comprehensive educational study of our largest city. Here are presented the behind-the-scene workings of its great markets, its harbors, public utilities, and its transportation system. The city is pictured as the economic hub of America. Presented factually rather than in travelog form, the film is designed to integrate with courses in history, geography, economics, civics, and sociology at all educational levels. (General)

One reel (800 feet), 22 minutes
Rental, \$3.00

NEW YORK — THE WONDER CITY (ICS)

This motion picture of New York shows its famed harbor, lower Broadway and its massive canyons of steel and stone, the historic Sub-Treasury where George Washington took his oath of office as first President, Wall Street, inside and outside the Stock Exchange, the Bowery, St. Patrick's Cathedral, Empire State Building, Chrysler Building, and numerous other interesting spots. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS PARADE OF 1938 (ICS)

World events depicted in this film are Chamberlain at Munich, Benes rejecting Nazi terms, Occupation of Sudeten, and New England hurricane. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS PARADE OF 1939 (ICS)

Is a year's history packed into one movie. Scenes include the end of war in Spain, invasion of Poland, declaration of war, Britain's navy, France's army, Royalty's London homecoming, U. S. cruisers round Cape Horn, and the epic rescue of the "Squalus." (J-H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS PARADE OF 1940 (ICS)

Shows the most outstanding events of Europe's total war. Among the scenes are the following: the invasion of Norway; the re-enactment, by millions of Belgians, of the migration of 1914; the return to the historic car where the armistice was signed; King George and Queen Elizabeth walking through ruins in England; Winston Churchill; American ships to Britain; American defense begins; first peacetime draft; first third term president, Franklin D. Roosevelt, defeats Wendell Willkie in hard-fought election. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS PARADE OF 1941 (ICS)

Vividly and dramatically this film sketches history making events *prior* to American entrance into the war. Scenes portrayed include the battle fronts in China, the near East, and Russia; the sinking of the German battleship Bismarck; President Roosevelt's speech after the sinking of the U. S. S. Kearney; and defense production scenes in the United States. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS PARADE OF 1945 (UW)

Shows the war's end, the Allies in Berlin, the Yanks in Tokyo, the death of Roosevelt and war criminals. (General)

One reel, 11 minutes
Rental, \$2.00

NEWS PARADE OF 1950 (SW)

Presents graphic, accurate and permanent record of the year's greatest headlines filmed on the spot as history was made throughout the year. Shows Communism on the march in Japan and Berlin—Disaster of South Amboy, New Jersey—Navy Rocket

testing at White Sands, New Mexico — Battle scenes in Korea, and other headlines of the year. (J-H-C-A)

One reel, 10 minutes
Rental, \$2.00

NEWS REVIEW OF 1945 (OF)

Includes the final victory of World War II, the bombing of Nagasaki, a typhoon in the Pacific and New York's welcome to the war heroes. (J-H-A)

One reel, 11 minutes
Rental, \$2.00

NEWS REVIEW OF 1947 (UW)

Complete movie record of one of the most critical years in the history of the world. The stupendous events of the year compiled in a permanent, living record. (General)

One reel, 11 minutes
Rental, \$2.00

NEWS THRILLS OF 1942 — VOLUME I (OF)

The first volume covers the following subjects: Japs bomb Pearl Harbor, battle of Singapore, United States declares war, burning of S.S. Normandie, Russia stops Hitler, shelling of Aruba, and U.S. Navy blasts Marshall Islands. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS THRILLS OF 1942 — VOLUME II (OF)

Volume II tells of the following events: battle of Midway, British capture Madagascar, allied convoy foils Axis attack, "Flying Tigers" in the Far East, R.A.F. bombs Paris, General MacArthur takes supreme command in Australia, General MacArthur in the Philippines, and General Stillwell and Chiang Kai-shek in Burma. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS THRILLS OF 1942 — VOLUME III (OF)

The third volume includes the following: United States raids Dieppe, United States captures the Solomon Islands, United Nations trap Rommel, and 1100 planes bomb Germany. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS THRILLS OF 1942 — VOLUME IV (OF)

The fourth volume covers the following events: United States opens second front, Russian offensive traps Nazis, British victorious in Egypt, and U.S. carrier bombed by Japs. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS THRILLS OF 1943 — VOLUME I (OF)

Vividly and dramatically sketches the following history-making events: President Roosevelt and Prime Minister Churchill meet at Casablanca; Timor; Guadalcanal, Marines blast Japs; Stalingrad, Russians victorious. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS THRILLS OF 1943 — VOLUME II (OF)

Depicts the smashing victory of the Allies in Tunisia. There are scenes of the Japanese sneak attack on Pearl Harbor. Doolittle's famous flight to bomb Tokyo, and the sinking of 24 Japanese ships in the battle of Bismarck Sea are also shown. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS THRILLS OF 1943 — VOLUME III (OF)

The invasion of the Allies in Sicily and the fall of Pantelleria are vividly portrayed in the third volume of the news thrills. (H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS THRILLS OF 1943 — VOLUME IV (OF)

American fliers making their famous bombing raid on the Ploesti Oil Fields, and the surrender of Italy are the two topics graphically covered in this film. Also shown are scenes filmed by Italian cameramen depicting the reaction of the Italian people to the surrender, cutting down the Fascist emblem, street parades, and general celebration. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS THRILLS OF 1944 — VOLUME I (OF)

News thrills for 1944 gets off to a splendid start with this first dramatic volume. History in the making is shown in the meeting of Chiang Kai-shek, Roosevelt, and Churchill in Cairo and the following conference at Teheran of Stalin, Roosevelt, and Churchill. Graphic sequences of the battle for Tarawa photographed by U.S. Marine Corps cameramen are also seen in this exciting news subject. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS THRILLS OF 1944 — VOLUME II (OF)

The second volume of the news thrills for 1944 depicts the Allied invasion of the western coast of Europe. Many close-ups are taken of the first wave landing on the Cherbourg peninsula, and of the intense bombing raids over occupied France. Glimpses of native Frenchmen, of German prisoners, of wounded Americans, and of the meeting of Eisenhower and

Montgomery are among sequences seen in connection with D-Day. (H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS THRILLS OF 1945 — VOLUME I (OF)

The first volume includes the following: battle of Germany, Yalta conference, bombing of German communication centers, General Montgomery's 2nd Army advance towards Berlin, capture of Ludendorf Bridge, and the crossing of the Rhine. (H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS THRILLS OF 1945 — VOLUME II (OF)

Volume II tells of the following events: Gen. MacArthur's return to the liberated city of Manila, Lingayen Gulf battle, landing on Leyte and Luzon, and the spectacular paratroop attack and recapture of Corregidor. (H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS THRILLS OF 1945 — VOLUME III (OF)

The battle for Iwo-Jima is vividly portrayed in the third volume of the news thrills. Air and sea bombardments pave the way for the invasion of Iwo-Jima as 40,000 U. S. Marines capture airfields, storm pillboxes and push on through the volcanic ash in the toughest, bloodiest battle in Marine history. (H-C)

One reel, 11 minutes
Rental, \$2.00

NEWS THRILLS OF 1948 (OF)

Here are the great events of world history that occurred in 1948. An exciting, historical film, covering a year of violence and change in a world still unsettled. (General)

One reel, 10 minutes
Rental, \$2.00

NEWSPAPER STORY (EB)

Presents a vivid behind-the-scenes view of a newspaper office. Follows a human interest news story from the time a reporter first learns of it until it appears in print on the front page. Impressively illustrates the duties of the workers who observe, write, edit, print and distribute the daily newspaper. Shows the huge presses and other mechanical devices which make possible the printing of thousands of newspaper copies in a matter of minutes. Suggests the tremendous importance of the newspaper as a medium of communication. (I-J-H)

One reel (800 feet), 16 minutes
Rental, \$3.00

NIAGARA FALLS (HFE)

A story of the greatest natural source of waterpower on the North American continent. Begins with the geo-

logical explanation of the formation of the falls, and tells of its discovery by Father Hennepin in 1678. Niagara is also shown as a valuable source of hydroelectric power both to the United States, and to Canada. (Color) (J-H-C)

One reel, 11 minutes
Rental, \$2.50

NICKEL MILLING AND SMELTING (USBM)

Shows map of Sudbury district, Ontario, where most of the world's nickel is produced. Depicts world's largest nickel smelter; reservoir; power plant; transformer station; and ore being loaded into cars, transported to a screening plant, crushed, and ground. Various processes involved from this time on are clearly explained. Shows another type of smelter where ore is roasted on sintering machines. Closing scenes show exterior and interior of change house. (H-C)

One reel (800 feet), 17 minutes
Handling charge, \$1.00

NICKEL MINING (USBM)

Shows map of Sudbury district, Ontario, where most extensive deposits of nickel-bearing ores are located. Depicts processes involved in mining from sinking and timbering of shaft to hand shoveling ore into chutes. Pictures miners in their working garb. Shows the various stations and work shops on the surface. Continues with miners coming off shift. Describes open-pit mining of surface deposits. Reel ends with views of change house and large parking lot for miners' cars. (H-C)

One reel (800 feet), 16 minutes
Handling charge, \$1.00

NICKEL REFINING (USBM)

Begins with airplane views of a large refinery producing electrolytic nickel, black nickel oxide, and nickel shot. Shows how nickel sulphide is crushed and ground in ball mill and all processes in between up to the time molten nickel strikes the jets of water where it is disintegrated into small globules or shot, which drop into water, are cooled, dried, and barreled. (H-C)

One reel (800 feet), 22 minutes
Handling charge, \$1.00

NIGHT AND BAD WEATHER DRIVING (PRP)

Deals with the safety steps you should take when driving during bad weather—care of your car—safety appliances—how to prevent a skid—and many other safety precautions. Shows why darkness and bad weather are the two worst killers. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

NIGHT BEFORE CHRISTMAS (Castle)

The famous poem comes to life in a film which combines real live actors with animated sequences. (General)

One reel, 11 minutes
Rental, \$2.50 (one day)

NIGHT MAIL (BIS)

This is the journey of the "Postal Special," London to Scotland, a fast express carrying no passengers and manned entirely by Post Office workers. Mail is sorted on board and at various railway centers on the way mailbags are received or dispatched. The train also picks up or drops mail en route while traveling at high speed. (General)

One reel (1200 feet), 25 minutes
Rental, \$3.00

NO ACCIDENTS (BIS)

Emphasizing again the importance of observing all safety precautions in industrial work and pointing out that man-hours lost because of accidents are a bonus to Hitler. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

NO HELP WANTED (AMA)

Tells of the jobs disabled veterans are holding now in American industrial plants. It shows clearly many of the jobs that can be performed by the veteran who has been disabled in the service of his country. (General)

One reel (800 feet), 18 minutes
Handling charge, \$1.00

NOAH AND THE ARK (HFE)

Shows Noah receiving the message of Jehovah, building his ark and assembling his animals. The God-fearing, hard-working Noah is shown in sharp contrast to the lustful, greedy men of his period. (C-A)

One reel, 11 minutes
Rental, \$3.50

NOBODY'S CHILDREN (MOT)

In the United States today, one couple in every seven is childless; many of them wish to adopt babies, but there just aren't enough babies to go around. The film shows the dangers in lax adoption procedure and documents the more advanced methods. (General)

One reel (800 feet), 17 minutes
Rental, \$2.25

NOMADS OF THE JUNGLE — MALAYA (UW)

The moment this picture begins you experience the illusion of actual presence in a Malayan jungle and participation in the everyday life of a typical nomad family. You hear the chatter and laughter of carefree moments and you understand perfectly how these people plan their lives, anticipate their needs, and meet their problems in relation to climate, environ-

ment, and natural resources. The story centers upon the development of a boy approaching maturity and his preparation for adult responsibilities. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

NORMANDY INVASION (OWI)

Is an unforgettable record of the tremendous preparations and effort made by the invasion forces on D-Day. Gripping scenes of U. S. Troops wading through a hail of machine gun fire from boats which have worked their way through mine fields and under water obstacles highlight the picture. There are excellent long shots of the entire movement to show air, land, and water forces coordinated in a perfectly timed invasion of the European continent. (H-C)

One reel (800 feet), 19 minutes
Rental, \$2.50

NORTH TO HUDSON BAY (NFBC)

An expedition through Canada's rugged Northland to Hudson Bay takes the holiday-maker far off the beaten track. Setting out from Winnipeg on an excursion train, the camera carries us across wheatlands, past lakes, into famous mining towns and over muskeg to the port of Churchill. Here the modern explorer is introduced to local wild life — ptarmigan, caribou and white whale — and learns about the commercial and scientific activity in this most northerly of major Canadian ports. (Color) (General)

One reel, 11 minutes
Handling charge, \$1.00

NORTHEASTERN STATES, THE (EB)

Provides an interpretation of historical progress in the development of resources in the areas of West Virginia, Maryland, Delaware, District of Columbia, New Jersey, Pennsylvania, New York, Connecticut, Rhode Island, Massachusetts, Vermont, New Hampshire, and Maine. Features of the land, people, natural resources, textile, clothing and heavy industries are also given. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

NORTHERN RAMPART — STORY OF ALASKA (RKO)

Casts a revealing spotlight on this territory of plank main streets, totem poles, ghost towns, glaciers, forests — and unlimited opportunity. (General)

One reel (800 feet), 18 minutes
Rental, \$2.50

NORTHWESTERN STATES, THE (EB)

The physical characteristics of the states of Montana, North Dakota, South Dakota, Wyoming, Idaho, Utah, Colorado, Nebraska, and Kansas are shown.

Topography, rainfall, drainage, fauna and flora, people, metropolitan centers, scenic and recreational features, transportation and commercial activities, natural resources, and agricultural situations are shown. Special consideration is given to the interdependence of this region with other regions of the country. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

NORWEGIAN CHILDREN: FARMING ON A FIORD (EB)

Provides an interesting visit with a farm family on a fiord in western Norway. Portrays typical activities of the children and mother tending livestock on the mountains during the summer. Emphasizes dairying activities such as milking, cheese making, and transporting milk to dairy in valley. Follows family back to farm home in valley and describes trip of children across fiord to village and cooperative dairy. Concludes with neighborhood festival to celebrate homecoming of the women and children. (P-I)

One reel, 11 minutes
Rental, \$2.00

NOSE, THROAT AND EARS (McGH)

Animated drawings are utilized extensively in describing these parts of the body, so that the student may clearly see their structure and functions, and thereby understand the reasons for recommended procedures for their care. (For other titles in this series see Body Care and Grooming.) (J-H-C)

One reel, 11 minutes
Rental, \$3.00

NOSTRADAMUS

(TFC, Restricted to Classroom Use)

The biography of one of the world's famous mystics, who, as a doctor, evolved an effective cure for the Black Plague, and as a soothsayer, made many startling predictions about world events which have since been fulfilled. (J-H-C)

One reel, 11 minutes
Rental, \$2.25

NUREMBERG TRIALS—GUILTY OR NOT GUILTY (I)

Starting with ghastly scenes of Nazi atrocities, summarizes the trial of the top officials of Hitler's Third Reich. The opening and summation of the prosecution are shown in part. Narration asks whether justice has been shown. (C-A)

One reel (800 feet), 20 minutes
Rental, \$3.00

NURSE, THE (EB)

Stresses the significance of the nurse as a person trained to provide technical and personal services that assist the sick. Describes clearly some of the typical activities of nurses in the pediatrics, emergency, and

maternity wards of a hospital. Points out that, in addition to technical skill, the good nurse has a pleasing personality which helps win the confidence of her patients. (P-I-J)

One reel, 11 minutes
Rental, \$2.50

NURSING (VGF)

Nursing is divided into three distinct groups. The three groups are: Private Nursing, Public Health Nursing, and Institutional Nursing. The film shows the variety of the nurse's activities while in training and it indicates the thoroughness of training in a good school. It shows some of the activities of the three groups of nursing as well as the problems connected with each. An excellent film. (H-C)

One reel, 11 minutes
Rental, \$2.00

OBJECTIVE SECURITY (OWI)

The dramatic story of 300,000 Okinawans who learned about American government from the members of the Civil Affairs team that liberated them from Japanese domination. (General)

One reel (800 feet), 18 minutes
Handling charge, \$2.00

OBLIGATIONS (SM)

Contrasts the life of the disorganized Smith family with that of the Browns who have solved most of their problems of orderly living—by paying attention to their mutual obligations. Stresses our individual responsibility to each other. (J-H-C-A)

One reel (800 feet), 18 minutes
Rental, \$4.50

OCALA (USDA)

A scenic tour through Ocala Park in Florida. (General)

One reel, 11 minutes
Rental, \$2.00

OF PUPS AND PUZZLES

(TFC, Restricted to Classroom Use)

Is a study in individual differences and techniques to be followed in fitting applicants to the positions of their greatest usefulness. By way of illustration, a psychiatrist observes animals' reactions to certain stimuli in order to judge better what to expect from humans under given conditions. Comparisons are made in the commentary as the picture shows three young men applicants at an airplane factory exhibiting extremely different reactions to the same kind of test. They are assigned to jobs which are indicated by these reactions. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

OFFICE ETIQUETTE (EB)

Emphasizes the importance of courtesy in everyday business contracts by portraying ways in which office

etiquette contributes to success in office relationships. Shows how courtesy can be applied to typical situations such as applying for a job, reporting for work the first day, and performing routine secretarial duties. Emphasizes consideration for fellow workers and employer, telephone courtesy, promptness, and the desirability of a friendly but businesslike attitude while on the job. (H-C-A)

One reel (800 feet), 16 minutes
Rental, \$2.50

OHIO, ITS MINERAL RESOURCES (USBM)

A travelog-type description of Ohio, concentrating on its vast wealth of mineral resources, both in minerals mined and water power. (General)

One reel (1200 feet), 30 minutes
Handling charge, \$1.00

OHIO STATE TRAVELOG — BIG BOTTOM PARK (State Ed. Dept. — Ohio)

This travelog pays a visit to Big Bottom Park and with this as a starting point traces the expedition of Harmer, St. Clair and Wayne, and shows the places in Ohio made outstanding by them. (I-J-H)

One reel, 11 minutes
Handling charge, \$1.00

OHIO STATE TRAVELOG — BRIDGES, LAKES, MONUMENTS (State Ed. Dept. — Ohio)

Included are scenes of the Natural Bridge, Mine Fire, Lake Alma, Sheridan Home and Monument, Sherman Home, Mount Pleasant, Lithopolis, and Buckeye Lake. (I-J-H)

One reel, 11 minutes
Handling charge, \$1.00

OHIO STATE TRAVELOG — BUCKEYE LAKE REGION (State Ed. Dept. — Ohio)

Parts of the Buckeye Lake Region have been burning for many years. The fire is that of burning coal underneath the earth. The government has spent half a million dollars in the attempt to put an end to it. Since the region is one of great natural beauty, there are many popular summer resorts and amusement centers. Included are scenes of the Natural Bridge, Lake Alma, Sherman Home, Sheridan Home, Hocking River, and Buckeye Lake. (I-J-H)

One reel, 11 minutes
Handling charge, \$1.00

OHIO STATE TRAVELOG — CINCINNATI TO PITTSBURGH (State Ed. Dept. — Ohio)

A steamboat trip on the Ohio River from Cincinnati to Pittsburgh and return is the subject of this film. The dining room, deck sports, loading the boat, pilot house, and other features of the boat itself are shown. (I-J-H)

One reel, 11 minutes
Handling charge, \$1.00

OHIO STATE TRAVELOG — THE CITY OF CINCINNATI (State Ed. Dept. — Ohio)

Scenes in this film include the city of Cincinnati as seen from Kentucky Shore, Fountain Square, Site of Port Washington, Ohio River from Eden Park, Rockwood Pottery, Art Museum, Harrison's Tomb, Ohio River at North Bend. (I-J-H)

One reel, 11 minutes
Handling charge, \$1.00

OHIO STATE TRAVELOG — CITY OF CLEVELAND (State Ed. Dept. — Ohio)

Scenes of Cleveland Terminal Building, Public Square, Garfield Monument, Ore Dock, Auditorium, Air Port, Art Museum, Parks and Lake Scenery are shown. (I-J-H)

One reel, 11 minutes
Handling charge, \$1.00

OHIO STATE TRAVELOG — HOCKING CAVE REGION (State Ed. Dept. — Ohio)

The Hocking Cave region is shown while the commentator narrates a story of the region. Rockhouse Cave, Old Man's Cave, Cantwell Cliff, Conkle's Hollow, and Cedar Falls are some of the scenes shown. (I-J-H)

One reel, 11 minutes
Handling charge, \$1.00

OHIO STATE TRAVELOG — MOHICAN FOREST PARK (State Ed. Dept. — Ohio)

Depicted are Mohican Forest Park, Willard Monument, Spirit of '76, and Portage Lake Scenes. (I-J-H)

One reel, 11 minutes
Handling charge, \$1.00

OHIO STATE TRAVELOG — OHIO RIVER (State Ed. Dept. — Ohio)

The roads to Buckeye Station, the Ohio River, a ferry on the River, the Rankin House, Grant's Birthplace at Point Pleasant, and Grant's Home and School at Georgetown are some of the scenes shown. (I-J-H)

One reel, 11 minutes
Handling charge, \$1.00

OHIO STATE TRAVELOG — PUT-IN-BAY (State Ed. Dept. — Ohio)

Put-in-Bay, Perry Monument, Marblehead, Kelley's Island, Cedar Point, Blue Hole, Edison's Home, McPherson Monument, and Crawford Monument are shown. (I-J-H)

One reel, 11 minutes
Handling charge, \$1.00

OIL (CRC)

Describes the many uses of oil in everyday life and the importance of it in progress and the maintenance of our standard of living. (H-C)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

OIL FOR ALADDIN'S LAMP (ASFL)

Scenes in petroleum research laboratories tell of the development there of petroleum products and many other products useful in our daily lives. The film explains the challenging research job, and emphasizes the value of this research in national defense. (I-J-H-C)

One reel (1200 feet), 30 minutes
Rental, \$3.00

OKLAHOMA AND ITS NATURAL RESOURCES (USBM)

Film opens with a continuity of maps showing geographical developments of State from its beginning as a part of Louisiana Purchase from France in 1803. There follow descriptions and scenes of interesting development in agriculture, mineral production, commercial buildings, residential areas, and educational and religious institutions in some of the principal cities of the State. (General)

One reel (1200 feet), 26 minutes
Handling charge, \$1.00

OLD HICKORY (TFC, Restricted to Classroom Use)

Biography of Andrew Jackson, affectionately known as "Old Hickory." Characters portrayed include Gov. Claybourne, Lafitte, the pirate, Chief Justice John Marshall, Daniel Webster, Senator Robert Hayne and Abraham Lincoln. Events cover British attack on New Orleans, Jackson's strategy to defeat them, his refusal to fight a duel, his election as president, the Daniel Webster-Robert Hayne debate over the tariff, and Jackson's action on the tariff. In technicolor. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$5.00

OLD MACDONALD HAD A FARM (EC)

Scenes show how Angus learned to avoid backbreaking work by putting his tractor on a full-time basis. With him, you'll see how a tractor can be made to plow and harrow in one operation, turn windrows, make drainage ditches, harvest forage crops, clear weeds, saw wood, fill a barn. (H-C)

One reel (1200 feet), 28 minutes
Handling charge, \$1.00

OLD MOTHER HUBBARD (Castle)

A cartoon adaptation of the nursery rhyme telling how the little dog goes from the bare cupboard to the king's table. (Color) (General)

One reel, 11 minutes
Rental, \$2.00

OLIVER WENDELL HOLMES (EB)

Reveals, with dramatized episodes from Holmes' life, the reasons for his position of eminence in our

national cultural history. Portrays him as he drops the study of law for medicine, and outlines his later accomplishments in that field. Points out Holmes' contributions as a man of letters and as a lecturer, highlighting events incidental to the writing of "Old Ironsides," *Autocrat of the Breakfast Table*, and other works. Emphasizes the man's genial personality, his broad perspective, his intolerance of dogmatism; and reveals him as an exponent of the scientific method. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$3.00

ON MEDITERRANEAN SHORES — GREECE (UW)

The relatively barren soils of Greece are shown in this film producing a great part of the food needed by the people. By their three level system of farming the people of Greece obtain a large part of their food supply. Their proximity to the sea enables them to augment their food supply by fishing during the season when the land is too dry for farming. A few export crops provide funds with which the people of Greece supplement their relatively poor economy. This is basically the story of a poor people in a poor land, but wringing from the land all that it can provide. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$3.00

ON THE AIR (JH)

Pictorially and musically a radio broadcast is put on the screen. The principle of the audio wave, its control, its conversion in the oscillator to a steady carrier wave, its transmission and its reception in the home are explained. Photography in the studio, control room and transmitting station gives an enlightening picture of the activity behind the scenes and the duties of some of the employees. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ON THE LEVEL (JH)

In this motion picture there is valuable demonstration of how mass and inertia affect straight line progress. We see that, in yesterday's car, there was a great deal of unsprung weight, consisting of the wheels, axles, running gear and all parts not mounted on springs. All this weight had an upward pounding effect when the car was driven over rough roads.

We are shown how the decreasing weight in the front axle and the inclusion of the individual spring suspension keep the pounding of the road at a minimum, while the wheels get the bumping, the car remains on the level. (J-H-C)

One reel, 7 minutes
Rental, \$1.00

ON TWO WHEELS (JH)

Bicycle safety is illustrated by incidents in careless riding of a bicycle which are brought before a juvenile traffic court and are corrected by various means. (I-J-H)

One reel (800 feet), 14 minutes
Rental, \$2.25

ONCE UPON A TIME (MLI)

The subject is street safety and is full of action. Well-known fairy tale and Mother Goose characters become involved in the present-day types of street and highway accidents through the machinations of two bad goblins, Carelessness and Discourtesy. (I-J)

One reel, 10 minutes
Handling charge, \$1.00

ONE AGAINST THE WORLD

(TFC, Restricted to Classroom Use)

Is the story of Dr. Ephraim McDowell, of Danville, Kentucky. On Christmas day, 1809, ridiculed by his profession, threatened by the superstition and opposition of his neighbors (but protected by the husband of his patient, Mrs. Jane Crawford), Dr. McDowell defied the bigoted crowd which prepared to hang him on his own lawn, and performed the first major operation on any human being in the world, thus paving the way for the advances of modern medical science. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ONE, TWO, THREE, GO!

(TFC, Restricted to Classroom Use)

Demonstrates the safe way of crossing a street. Members of the familiar "Our Gang" are leading characters in this safety education picture made at the request of and with the cooperation of a group of national safety organizations. (P-I)

One reel, 11 minutes
Rental, \$2.00

ONE WORLD OR NONE (FPI)

A graphically vivid summary of the development of atomic energy and the atom bomb, stressing the need for world control by the United Nations. (H-C)

One reel, 9 minutes
Rental, \$2.00

OPERATION OF A FOREST NURSERY (USDA)

A U. S. Department of Agriculture film showing reforestation measures. (J-H-C)

One reel, 11 minutes
Handling charge, \$1.00

OPTICAL POEM

(TFC, Restricted to Classroom Use)

An attempt by Oscar Fischinger to interpret a musical selection in terms of color and geometric

figures. While the orchestra plays Liszt's "Second Hungarian Rhapsody," the figures and colors appear on the screen. (Color) (I-J-H)

One reel, 8 minutes
Rental, \$2.00

ORANGE GROWER, THE (EB)

Tells the story of an orange grower and his family raising and harvesting their crop. Budding, pruning, planting, fertilizing, irrigating, controlling insects and temperature; and dependence upon meteorology, communication and transportation are shown. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

ORIENTAL CITY—CANTON, CHINA (UW)

This is the story of a Chinese city in which we study the habits and customs of oriental urban life. Life of people living on sampans of this river port and life in a Cantonese merchant's home are vividly presented. We watch Chinese artisans making handicrafts from ivory and silver. Produce arriving in Canton by boat and cart show the dependence of the city upon the surrounding countryside. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

ORIGIN OF MATHEMATICS (UW)

Shows various types of mathematical symbols and processes employed by succession of ancient peoples—cave dwellers, Egyptians, Babylonians, Greeks, Romans, Arabs, and Indians. (J-H)

One reel, 10 minutes
Rental, \$2.00

ORTHOGRAPHIC PROJECTION (McGH)

By a combination of animated diagrams and animated photography of specially prepared models, this film attains three-dimensional effects that simplify the explanation of shape description. (For other titles in this series see *According to Plan: Introduction to Engineering Drawing.*) (C)

One reel (800 feet), 18 minutes
Rental, \$3.00

OUR ANIMAL NEIGHBORS (C)

Many small mammals make their homes near ours. Unless their habits are known, they are seen only by accident. In this film ten common species are shown—cottontail rabbit, gray squirrel, fox squirrel, chipmunk, gopher (thirteen-lined ground squirrel), deer mice, meadow mice, shrew, mole and bat. (P-I)

One reel, 11 minutes
Rental, \$2.00

OUR BASIC CIVIL RIGHTS (C)

Civil rights are preserved by our citizens and defined by our courts. Presents basic concepts of civil

rights and directs the class toward a detailed study of our liberties which are fundamental to our society and defined in law. We recommend the film to general study groups as well as to school classes. (J-H-C-A)

One reel (800 feet), 14 minutes
Rental, \$2.50

OUR BILL OF RIGHTS (ACFC)

The formation and adoption of the first ten amendments of the Bill of Rights, to the Constitution are recreated. The influence of James Madison is clearly shown. Madison, George Washington, Benjamin Franklin, John Randolph, Alexander Hamilton, and John Jay make this historic subject very real. Producers of this film state that all facts are authentic and that the dialogue is based upon correspondence of the characters portrayed. (J-H)

One reel (800 feet), 20 minutes
Rental, \$2.50

OUR COMMON FUELS (C)

For general science courses this film is designed to show what fuel is, and to indicate the sources and uses of our common fuels under two groupings: natural fuels and manufactured fuels. (I-J)

One reel, 11 minutes
Rental, \$2.00

OUR COUNTRY'S FLAG (C)

Provides much information of value and importance to the average youngster, who does not always clearly understand the reasons for respect to the flag or the reasons for the flag itself. Explains the meaning of the flag, its symbolism and why it should be respected. The *Pledge of Allegiance* is told about simply and carefully in terms of everyday activity and rules of respect to the flag are reviewed and clearly explained. (Color) (P-I)

One reel, 11 minutes
Rental, \$4.00

OUR EARTH (EB)

An illuminating introduction to the study of world geography, this film is principally a survey of the physical aspects of our planet as they influence concentrations and activities of people. This broad general objective is accomplished by studying oceans and ocean currents, types of coast lines and harbors, rivers, lakes, valleys, plains, plateaus, and mountains. In every case the climatic and other influences of these physical phenomena are depicted in relation to the human element. Examples from all over the world are included. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

OUR FEDERAL GOVERNMENT (YA)

An introduction to a study of the United States Government including an explanation of the functions

of the three main branches and the system of checks and balances is shown. (J-H)

One reel (800 feet), 20 minutes
Rental, \$2.50

OUR FOSTER MOTHER, THE COW (F)

The human race owes a debt of gratitude to its foster mother, the cow. Babies all over the world are dependent on cow's milk for their very lives. This color film includes some factual material regarding farm problems: housing, feeding, breeding, selling cattle, calf care, milking, etc. (Color) (P-I)

One reel, 11 minutes
Rental, \$2.50

OUR LIVING CONSTITUTION (C)

Shows how the basis of our government changes and grows to meet the needs of the times while holding to the principles of thought we hold dear. The picture depicts the Constitution operating in problems which are close to us to guarantee our rights and freedoms and protect the interests of the people as a whole. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

OUR LIVING DECLARATION OF INDEPENDENCE (C)

Freedom, rights, obligations, the pursuit of happiness — meanings of these terms are explored as this timely film develops its theme that the Declaration is not a dead historical document, but a vital force and guide of living today. Illustrations from the lives of an immigrant and his children give present-day meaning to the principles of the Declaration. (I-J)

One reel (800 feet), 16 minutes
Rental, \$3.00

OUR SHRINKING WORLD (YA)

An overview of the development of transportation and communication is depicted in this film. It stresses the gradual bringing together of all the peoples of the world and the effect of this new neighborliness upon our everyday existence and explains the factors which have stimulated this progress. (J-H)

One reel, 10 minutes
Rental, \$2.00

OUR TEETH (KB)

A comprehensive film treatise on the growth and structure of our teeth, placing particular emphasis on their organic vitality. Besides furnishing complete factual information about our teeth it gives reasons rather than methods for oral hygiene. It is excellent for physiology, hygiene and general health study. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

OUT OF THE DARKNESS

(TFC, Restricted to Classroom Use)

The story of the poorly printed, uncensored secret weekly newspaper, "Libre Belgique," in 1914, which whipped up the hostility of the people toward the German rule, is related in this film. (J-C)

One reel, 10 minutes
Rental, \$2.25

OUT OF THE FRYING PAN INTO THE FIRING LINE (OWI)

Through the use of two nationally known characters—Minnie Mouse and Pluto—this Disney film shows the wartime need for fats and greases and the steps to be taken by every housewife in salvaging these materials of war. As Minnie offers Pluto "some hot delicious grease," a radio voice breaks in saying, "Don't throw away that bacon grease." Pluto pouts but when the radio announcer explains that fats make glycerine and glycerine makes explosives, Pluto becomes convinced. Saluting a picture of Mickey in uniform, Pluto disdainfully refuses the bacon grease and follows the announcer's directions for straining, storing, and saving fats. Carrying a pound of grease to the meat dealer, Pluto collects his money in wieners and marches proudly down the street. (Color) (General)

One reel, 3 minutes
Handling charge, \$1.00

OUT OF THE HEART (USI)

The heart-warming story of a boy and his dog is told in this color motion picture. Kindness, loyalty, patience, teamwork and other desirable character traits are often strengthened in humans by association with animals, and this is the observation that audiences will make from this picture. Rags, canine hero of the film, turns the tables on Billy, the human half of the featured cast, by teaching his master many important secrets of life, while Billy thinks he is teaching Rags. (Color) (I-J)

One reel, 11 minutes
Handling charge, \$1.00

OUTBREAK (USDA)

Presents the gripping story of foot and mouth disease, the centuries-old plague of cloven-hoofed animals. Documents disease from its earliest history to the outbreaks in the U.S. and the recent Mexican outbreak. (Color) (H-C)

One reel (1200 feet), 33 minutes
Rental, \$1.00

OVER-DEPENDENCY (NFBC)

Gives an informal case history of a "normal" neurotic—a young married man suffering from hypochondriacal tendencies. From discussions with a doctor, Jimmy is able to recognize a pattern of over-dependent behavior based upon his relationships with

his mother, his sisters, and later his wife. He learns to regard these over-dependent tendencies as danger signals in his daily adult behavior, and at the end of the film we see him on the way to becoming a more independent and mature person. See also: Emotional Health, Feeling of Rejection, Feeling of Hostility. (C)

One reel (1200 feet), 32 minutes
Rental, \$3.50

OVER THE RAINBOW (S)

This film, in a dramatic, interesting way shows farmers how to plan farms and farm homes for happier, more prosperous futures. (A)

One reel (1600 feet), 35 minutes
Handling charge, \$1.00

OVERCOMING FEAR (C)

Shows the values of courage in meeting problems in everyday living. Courage is presented as an attitude which can be developed and cowardice is shown to be a characteristic that is specific; i.e., a response in reference to one specific type of situation. How overcoming a specific fear can make a better all-around person is the lesson found here. (J-H-C-A)

One reel (800 feet), 14 minutes
Rental, \$2.50

OVERCOMING WORRY (C)

We see the devastating effects of needless worry and then watch how this prevalent affliction is overcome. Will help audiences of all ages to examine their own worries more objectively and help them understand how to attack their problems effectively. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

OXY-ACETYLENE FLAME — MASTER OF METALS (USBM)

Tells the story of oxy-acetylene welding and cutting, from the making of calcium carbide out of limestone and coke and the extraction of oxygen from the air, to the multitudinous uses in twentieth century industry. Besides explaining by animation how oxygen and acetylene are blended in the welding torch, and how an additional stream of pure oxygen is added in the cutting torch, the film demonstrates the speed of oxy-acetylene in each of its jobs. Capabilities of oxy-acetylene with various difficult jobs are demonstrated. (Color) (H-C-A)

One reel (800 feet), 22 minutes
Handling charge, \$1.00

OXIDATION AND REDUCTION (EB)

The simultaneous process of oxidation and reduction is presented first by burning phosphorus and rusting iron under experimental conditions. Mercury rust is

then decomposed to discover the component of air responsible for oxidation. Other examples of oxidation and oxidizing agents follow. The process of reduction is strikingly presented in the operation of the blast furnace, magnesium burning in dry ice, and thermite welding. Everyday examples of oxidation and reduction conclude the picture. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

OXYGEN (C)

For introductory chemistry this surveys the properties and characteristics of oxygen and some of its more important compounds. The film assists pupils in acquiring knowledge of the preparation, properties, and uses of oxygen, and of its significance to man. (J-H)

One reel, 11 minutes
Rental, \$2.00

PACIFIC COAST, THE (FF)

Offered in this film are glimpses into such Pacific Coast industries as shipbuilding, aircraft production, lumber, oil, steel, synthetic rubber—and the climate and scenic beauty which have been credited with attracting an annual 500 million dollars worth of tourist trade to California alone. (J-H-C)

One reel (800 feet), 18 minutes
Rental, \$2.25

PACIFIC: DISCOVERY AND EXPLORATION (EB)

Portrays and explains by means of technicolor animation the role played by the Pacific Ocean in international affairs. Shows growth of man's knowledge of the Pacific through the voyages of the early explorers and later expansion of settlement in this area. Traces the settlement of Pacific island and coastal areas by British, Russians, Germans, French, Dutch, and Americans and discusses the establishment of political control by these nations. Concludes with a review of the defeat of Japan's efforts to control the Pacific. (Color) (J-H-A)

One reel, 11 minutes
Rental, \$3.00

PACIFIC PROVINCES OF CANADA (EB)

Orients Pacific Canada with the remainder of the Dominion and the United States. It traces routes of discovery and exploration. Portrayed also is the settlement of the region, with emphasis on part played by climate and by transcontinental and ocean transportation. There are other sequences on fishing, lumbering, agriculture, mining, and smelting. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

PAGLIACCI (GAF)

The leading role is played by Henry Hull. The solos are sung in English "off stage" while the actors

depict their emotion in pantomime. The libretto was arranged by John Erskine. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

PAINTING: LEARNING TO MIX COLORS (YA)

Demonstrates and explains the three primary colors as the source of the secondary colors and all their intermediate shades. (Color) (I-J-H-C-A)

One reel, 6 minutes
Rental, \$2.00

PAINTING: SOLID FORMS (YA)

Points out that solid objects have three dimensions—height, width and thickness—and then demonstrates how the painter gives roundness or thickness to the solid object he is painting. (I-J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

PAINTING AN ABSTRACTION (EB)

An interesting portrayal of one form of contemporary painting as demonstrated by Eliot O'Hara, nationally known water colorist and art teacher. Provides a graphic step-by-step account of the painting in progress. Discloses the artist's thinking in establishing his purpose and selecting elements from nature to emphasize his purpose. Effectively contrasts the abstract painting of this film with the representational painting of the same scene as featured in the EB Film, *Painting Reflections in Water*. (Color) (H-C-A)

One reel, 11 minutes
Rental, \$3.00

PAINTING AND DECORATING (VGF)

Tools, skills and problems connected with interior and exterior painting and type of surface. Apprenticeship and job opportunities explained. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

PAINTING REFLECTIONS IN WATER (EB)

Portrays watercolor techniques as used by a leading artist as he paints reflections in water. The artist is Eliot O'Hara, well-known water-colorist and art teacher. Photographed as if through the eye of the artist, the film enables students to follow each step closely from the position of the artist himself. (Color) (I-J-H-C)

One reel, 11 minutes
Rental, \$3.00

PAINTING WITH SAND: NAVAJO CEREMONY (EB)

A Navajo medicine man makes a beautiful sand painting while a narrator explains the significance of the religious ceremony. A sick little boy is brought in,

and the ceremony and prayers to the gods for his cure are performed. (Color) (J-H-A)

One reel, 11 minutes
Rental, \$3.00

PALESTINE (MOT)

Palestine is the story of that rugged country, today undergoing great agricultural and industrial change at the hands of some 570,000 Jews who are determined to mould it into a modern Jewish State. The film reveals not only the progress that has thus far been made toward modernization of the Holy Land, but also the problems to be solved and the obstacles to be surmounted before the Jewish people can achieve their objective. (J-H-C-A)

One reel (800 feet), 16 minutes
Rental, \$2.25

PAN AMERICAN BAZAAR (OIAA)

A film on the arts and crafts of the southern republics as elaborately displayed in an exhibition at the famous Macy department store in New York. (Color) (General)

One reel, 9 minutes
Handling charge, \$1.00

PAN AMERICANA (GAF)

Students in classroom write letters in Spanish and listen to radio programs from Cuba as part of good neighbor policy for better economical and cultural relations. Communications are described by following a letter to Mexico, a cablegram to Peru, and a telephone call to Ecuador. Products of these countries are discussed throughout. (H-C)

One reel, 11 minutes
Rental, \$2.00

PANAMA (RKO)

The story of the realization of a 400-year-old dream of mankind that began with Balboa when he gazed on the Pacific Ocean for the first time and culminated in a reality made possible by modern American engineering genius. This film narrates the interesting history of the Panama Canal and portrays the cosmopolitan atmosphere of modern Panama. (General)

One reel (800 feet), 17 minutes
Rental, \$2.50

PANAMA: CROSSROADS OF THE WESTERN WORLD (C)

Panama long has been the crossroads for travel and trade between North and South America, and the Atlantic and Pacific Oceans. This film shows the life and surroundings of the people of this colorful little Republic. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

PAPER (EB)

The interesting story of modern paper making, from the forest to finished sheets, are shown at a child's level of interest and understanding. (P-I)

One reel, 11 minutes
Rental, \$2.00

PAPER MAKING (C)

Starting with winter logging operations, logs are followed through conversion into pulp and paper. (I-J-H)

One reel (800 feet), 20 minutes
Rental, \$3.00

PARAGUAY (OIAA)

Film view of this hardy, independent people, their quebracho and mate industries and side lights on Indian influence. (J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

PARIS: CITY OF ART (SM)

Presents scenes inside the Louvre with its famous paintings and sculptures; views of Montmartre artists at work; and representative buildings and architecture such as Sacre Coeur, Notre Dame and the Pantheon. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

PARLIAMENTARY PROCEDURES IN ACTION (C)

Dropping in on a session of a well run high school club, we observe the proper procedures for seconding motions, amending motions, calling for a division of the house, rising to a point of order, tabling a motion, and all other commonly used parliamentary forms. We see parliamentary procedure, based on the democratic principle, upholding that principle in an orderly assembly. (I-J-H-C-A)

One reel (800 feet), 14 minutes
Rental, \$3.00

PARTIES ARE FUN (C)

Among students of the lower grades, parties often are social trials. Offers guidance in accepted standards for party behavior. Shows that parties can be fun and it gives an understanding of the work involved in planning and preparing for a party. Its outstanding classroom value comes as a basis for discussion and other language activities about parties. (P-I)

One reel, 11 minutes
Rental, \$2.00

PARTS OF NINE (YA)

Develops the meaning of the number 9 through experience situations and the use of concrete material involved in preparing for a birthday party. (P)

One reel, 11 minutes
Rental, \$2.00

PARTS OF THINGS (YA)

Develops the meanings of one-half and one-fourth of single things, as introduction to concept of fractions. Abstract objects are carefully explained in relation to real things. (P)

One reel, 11 minutes
Rental, \$2.00

PASSENGER TRAIN (EB)

Interprets a journey on a modern, streamlined, Diesel-electric-powered passenger train from a large city through a picturesque countryside. The duties of the ticket seller, gateman, baggageman, conductor, engineer, motor attendant, mail clerk, dining car cook, waiter, and pullman porter are depicted and commented upon. Right-of-way problems including tunnels and bridges are portrayed. Attention also is given to factors of comfort, safety, and efficiency in the train's operation. (P-I-J-H)

One reel, 11 minutes
Rental, \$2.00

PASSPORT TO NOWHERE (RKO)

Deals with the displaced persons problem. It is one of the RKO-Pathé This Is America series. (General)

One reel (800 feet), 20 minutes
Rental, \$2.25

PATHS TO PALESTINE (AFC)

Scenes of the land and people of Palestine. The birthplace of the world's great religions provides sights of beauty for the viewer. (General)

One reel, 10 minutes
Rental, \$1.50

PATTERNS OF AMERICAN RURAL ART (USDA)

Photographed in beautiful natural color, this film portrays the varied types of handicraft and art work produced throughout rural America. The weaving and other crafts of pioneer days still to be found in some of our mountain areas are featured. (Color) (I-J-H-C)

One reel, 11 minutes
Rental, \$2.50

PAWNSHOP, THE (BRF)

Deals with Charlie Chaplin's encounters with another clerk, his waiting on some strange customers and his foiling of a robbery. It is the little incidents which make the picture so extraordinary. (General)

One reel (800 feet), 22 minutes
Rental, \$4.00

PEACE COMES TO AMERICA (OWI)

It's the end of the shooting war, but there are soldiers to be brought home, others to be healed, still

others to be assisted with GI loans and educational aid. (General)

One reel, 10 minutes
Handling charge, \$1.50

PEIPING FAMILY (BFS)

Presents the simple narrative of a middle class Chinese family—Dr. C. F. Wu, Mrs. Wu, their son, their daughters, Dr. Wu's parents and the family maid. Shows the struggle of an American-educated Chinese to provide for his large family. Observes the purchase and preparation of food and a family luncheon, the children at play and at school. Shows how through education China can realize her potentialities as a great nation. (H-A)

One reel (800 feet), 21 minutes
Rental, \$5.00

PEOPLE OF CHILE (HFE)

Gives an overall concept of Chile in terms of her present-day people, the farmers and city workers, their social and home lives. It provides an excellent summary of the history of Chile's people, and shows the geographical peculiarities of this country which cause such extremes in wealth and poverty. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$2.50

PEOPLE OF HAWAII (EB)

Describes the setting of the Hawaiian Islands and provides an insight into the native economy. The dependence of the natives upon the sea and their immediate land environment for food; home and school life; sports and craftsmanship; and the preparation of a native feast make up the major sequences. Glimpses of mass production and harvesting of sugar cane and pineapples are also shown. A rendition of "Aloha" accompanies the concluding scene. (P-I-J-H)

One reel, 10 minutes
Rental, \$2.00

PEOPLE OF MEXICO (EB)

This picture presents a living account of the origin and development of the Mexican people, with emphasis on their dependence upon the land. It portrays the setting of a feast day in a small village, including ceremonies, dances, songs, and music. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

PEOPLE OF PERU (HFE)

Gives a comprehensive idea of what Peru is like today. It shows how advanced, and yet how primitive, the people of a single country can be, and how much their manner of living depends upon the geography of their country. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

PEOPLE OF SABA (C)

Natives of Saba, Netherlands West Indies, live on an extinct volcano with few outside world contacts. (General)

One reel, 10 minutes
Rental, \$2.00

PEOPLE OF THE ARCTIC (KB)

The geography, the resources, the people and their manner of life in far northern Alaska, Labrador, Greenland and northeastern Siberia are shown. The film covers the whole circle of the Arctic Ocean. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

PEOPLE OF THE CONGO (EB)

A study of the Mangbetu peoples living in tropical forest region of Africa. Emphasis on cleanliness in well-built, immaculate homes. Careful preparation of cooked meal, using fish, bananas, manioc root, sugar cane; clay cooking utensils made by hand. Head binding, native arts and crafts, sketching, design, wood carving, and construction of native musical instrument. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

PEOPLE OF WESTERN CHINA (EB)

Reveals the influence of habits and customs of past centuries in the scene of present-day China. Methods of agriculture, irrigation, and the culture and wide use of bamboo are shown. Representative arts and crafts, methods of transportation, and engineering skills are depicted in their traditional settings and contrasted with modern technological developments. (I-J-H-C)

One reel, 10 minutes
Rental, \$2.00

PEOPLE'S CHARTER (FON)

Stresses relationship of the United Nations to the people of the world. Shows the part they played in shaping the organization, and points out clearly the part the people of every country must play to make sure that its great purpose of world peace and security is achieved. (J-H-C)

One reel (800 feet), 17 minutes
Rental, \$2.50

PEOPLES OF THE SOVIET UNION (IFB)

This film, photographed by American cameramen, pictures the many racial groups which make up the Soviet Union. It begins with the people of Moscow and Leningrad and then, in quick succession, there follows pictures of the Karelians, the Armenians, the Georgians, the Tartars, the Buryat-Mongolians, the Jews, the Ukrainians, the Uzbeks, and others among the 100 different nationalities included in the 190,000,000 people comprising the Soviet Republics. We

come to know these people of many races and how they fit into the pattern of life in the Soviet Union. (General)

One reel (1600 feet), 44 minutes
Rental, \$3.50

PERCENT IN EVERYDAY LIFE (C)

Students learn how useful a working knowledge of percent can be to them. As they follow Bob's problems in figuring commissions, taxes, interest, and discount with general, rate, and base formulas, students at the intermediate and junior high levels will derive a new realization of the importance of percent. (I-J)

One reel, 10 minutes
Rental, \$2.00

PERCUSSION GROUP (EB)

The objective of this film is to familiarize pupils with all the commonly used percussion instruments. Thirteen are demonstrated: tympani, tom-tom, snare drum, bass drum, tambourine, cymbals, chimes, gong, castanets, triangle, bells, xylophone, and celesta. Demonstration literature includes excerpts from Tschai-kowsky's "Nutcracker Suite," his "Fourth Symphony" and his "Marche Slav," Wagner's "Die Walkure," his "Tannhauser Overture," and Schubert's "Marche Militaire Number One." Full orchestral accompaniment is given each percussion demonstration. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

PERFECT TRIBUTE

(TFC, Restricted to Classroom Use)

A dramatization based on "The Perfect Tribute," a story by Mary Shipman Andrews.

We see Lincoln in a railroad coach, bringing him to Gettysburg for the dedication of the battlefield there. His simplicity and sense of humor are evident in several scenes with Stanton, who is traveling with him. He finally borrows a piece of wrapping paper to prepare his address. Across the aisle from him sits Edward Everett who is busy preparing an address to be delivered on the same occasion.

The next day, disappointed at the reception his address received, Lincoln goes for a walk, meets a small boy who is hurrying to get a lawyer for his brother, a wounded Confederate soldier lying in a near-by hospital. Lincoln offers to serve. The soldier, because of his bandages, cannot see Lincoln and talks to him about the president's Gettysburg address. Finally he asks him to read it to him from the daily paper. Lincoln recites it to him and the soldier is deeply moved. The small boy by now has recognized the president, who is happy over the soldier's opinion, acknowledging it as the "perfect tribute."

The presentation is vivid and effective. It clearly reveals the spirit of Lincoln and his attitude toward the South. (I-J-H)

One reel (800 feet), 20 minutes
Rental, \$3.00

PERISHABLE RUSH (OWI)

Dramatic film appeal made by Army Air Forces for good care provided our war wounded. (General)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

PERMANENT SOIL IMPROVEMENT (UI)

The film, from the Permanent Soil Improvement Institute of the University of Illinois, shows how soils that have had their phosphate content depleted are poor soils. It discusses the need for phosphate in soils, and in the discussion, carries the viewer to the rock phosphate mines of Tennessee. There, it is seen how phosphate is mined, processed, and distributed to farmers throughout the country. The result of phosphate use on the Illinois soil experimental fields is shown in addition to how quality of corn and legumes is affected. Treated land in Iowa and Missouri is also presented. (Color) (C)

One reel, 10 minutes
Rental, \$2.00

PERU (EB)

Following a treatment of Lima, the modern capital, attention is focused on the ruins of pre-conquest civilizations. Present-day descendants of once-proud Indian peoples are then seen in their comparatively untouched village life, with its primitive agricultural methods, its handicrafts, and pastoral simplicity. The varied activities of a single family group receive the major emphasis throughout. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

PERU (OIAA)

Produced by Julien Bryan is a study of the modern social and economic life of Peru. The attempt to meet some of the current problems of health, poverty, relations between races, and improvement of national economic conditions is shown. (J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

PERUVIAN PLATEAU (HFE)

Reveals the interdependence of manufacturing and transportation, using as illustration, Peru, where this fact is reduced to its fundamentals. In addition, the film teaches a great deal of the geography of Peru and the social progress of its people. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

PETER IBBETSON

(TFC, Restricted to Classroom Use)

A school version of Paramount's feature picture of the same name. (J-H-C)

One reel (1600 feet), 40 minutes
Rental, \$4.50

PETROLEUM (EB)

Shows importance of petroleum to world technology, commerce and international affairs. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

PETROLEUM AND ITS USES (USBM)

How petroleum products are used in the daily life of an average American family is shown in this film. Dozens of commercial uses of petroleum products, including the production of paraffin, dipping candles, coating paper bottles, insect sprays, fruit ripening with ethylene, medicine and cleaning fluid are all depicted in this film. Other scenes describe petroleum's role in such essentials as printing ink, airplane and automobile fuels, lubricants, Diesel oils, and plastics. (J-H)

One reel (1600 feet), 42 minutes
Handling charge, \$1.00

PHARMACIST (VGF)

Tells the work of the professional pharmacist, his work with drugs and chemicals which go into the compounding of medicines. (H-C)

One reel, 11 minutes
Rental, \$2.00

PHILIPPINE REPUBLIC (MOT)

The film shows how, for 47 years following the Spanish-American war, the 7,083 islands comprising the Philippine archipelago were heavily dependent upon the U. S. for their economic life and health. Pictured comprehensively are the educational system and political composition of the islands. Especially significant is March of Time's sequence on the valiant role played by the Philippine people in the recent war—a sequence which underscores the character of the Filipino and explains why, for over three centuries, Filipinos have had a consuming ambition to govern themselves.

One reel (800 feet), 16 minutes
Rental, \$2.25

PHOTO FRENZY (RKO)

A photo report on America's number one hobby, its 20,000,000 screwball fans and the billion dollar business they've built. (General)

One reel (800 feet), 18 minutes
Rental, \$2.50

PHOTOGRAPHY (VGF)

Unusual shots made by news cameramen. Also shown are effects of varied exposure, tricks, angles, etc., to make an interesting film. (General)

One reel, 10 minutes
Rental, \$2.00

PHOTOGRAPHY FIGHTS (OWI)

How photography helped to win the war. Under enemy action, photographic crews are seen at work getting and scanning pictures to search for signs of enemy emplacements and evidence of his movements. (H-C)

One reel, 13 minutes
Handling charge, \$2.00

PHYSICS DEMONSTRATIONS — SET 1 (McGH)

Leslie's Cube: Heat radiation of various substances.

Tyndall's Apparatus: Heat capacity of various substances.

Waves in a String: Relation of harmonies to string motion.

Electroscope, The: Detection of electric charges.

Electrolysis: Conduction of electricity through a liquid. (J-H)

Five reels, 200 feet, 5 minutes
each reel
Rental, each reel \$1.50

PICTURE IN YOUR MIND (IFF)

This film, made by the producers of Boundary Lines, employs similar techniques. Animated drawings are accompanied by well-synchronized music to express the idea that the picture in your mind determines action. The question posed is, how can we live together on our congested earth? Man in his distant past encountered hunger, loneliness and danger and, when the tribes scattered, rites developed about the rhythm of work and play, cultural patterns were established, and differences began. Primal impulses not yet dead still modify the picture in one's mind and express themselves in action. The film states that the sum of all our actions will determine the future and that we have a choice as to whether that future is to be one of darkness or of light. (Color) (H-C-A)

One reel (800 feet), 16 minutes
Rental, \$4.50

PICTURESQUE POLAND (EFLA)

Is an introduction to Poland, showing brief scenes of the nation at war, then turning to pre-conquest Poland as found in its peaceful countryside, in views of its people, streets, and buildings in busy, varied Warsaw and ancient Krakow. It turns then to the nearby monastery and its gardens, and finally to the rugged Carpathian mountains in the South, where folk customs, dancing and trades were still maintained. (J-H-C)

One reel, 10 minutes
Handling charge, \$2.00

PIG AND ITS RELATIVES (C)

Our well-known domestic pig has some odd, unexpected relatives: babirusa, wart hog, pigmy and large hippopotamus and the elephant. (P-I)

One reel, 10 minutes
Rental, \$2.00

PIG PROJECTS MAKE PROFITS (UDA)

Is a story of pig club activities and the activities of young men in this phase of their life in agriculture. It is designed primarily for FFA and 4-H Club audiences. It is filmed in Kodachrome. (J-H)

One reel, 11 minutes
Rental, \$2.00

PIGS AND ELEPHANTS (C)

An excellent film to introduce foreign animals to the pupil through biological relationship between familiar domestic animals and the animals of other lands—the babirusa of the East Indies, the wart hog of Africa, and pigmy hippopotamus. (P-I)

One reel, 11 minutes
Rental, \$2.00

PIGSKIN CHAMPIONS

(TFC, Restricted to Classroom Use)

The Green Bay Packers, professional football champions, demonstrate football techniques. Slow-motion photography is used extensively.

After setting-up exercises under the direction of Coach Lambeau, there is a sequence on kicking, during which a group of six punters simultaneously kick balls more than 60 yards into a prescribed area. A similar demonstration shows four men place kicking balls 50 yards. Slow-motion shots of routine plays including the forward pass, off-tackle play, place kick, double spinner, block kick, hidden ball play, a short pass, and a short, lateral pass are shown. (J-H-C)

One reel, 10 minutes
Rental, \$2.25

PILGRIM DAYS

(TFC, Restricted to Classroom Use)

Shots of historic monuments, buildings, and museum exhibits related to American Colonial history are here shown. The greater part of the picture is devoted to Plymouth, Jamestown, New York, and Baltimore. (I-J)

One reel, 11 minutes
Rental, \$2.25

PILGRIM FOREST (DL)

Shows the extensive state park systems in New England. Many of the scenic spots and the famous lakes of the states are shown. Included are magnificent views of the Green Mountains in Darling, Savoy, and Ascutney State Parks. The vigorous daily life in CCC Camps is depicted. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$2.50

PILGRIMAGE THROUGH PALESTINE (FCI)

Presents a travelog of certain better-known portions of this historical country, the home of three great

religions. Our travel begins with the Port of Haifa and ends in Jerusalem. (I-C)

One reel, 11 minutes
Rental, \$2.00

PINEWAYS TO PROFITS (USDA)

The old custom of burning the woods presents the most serious obstacle to forest management in the southern pine region. This film exposes the fallacy of this custom and shows benefits of good management of southern pine forests. (General)

One reel (800 feet), 20 minutes
Rental, \$2.00

PIONEER HOME, A (C)

What was a pioneer really like? How did pioneer people live? What part did children play in the everyday family life? These are some of the questions which are answered in this film. The physical surroundings and home furnishing, the hard work, the simple pleasures—all these facets of a pioneer family's life are presented here for students to see and appreciate. (P-I)

One reel, 10 minutes
Rental, \$2.00

PIONEERS OF THE PLAINS (EB)

This picture traces the experiences of a pioneer family in journeying from Illinois to a homestead on the midwestern plains. Sequences include: relationship with other settlers and cattlemen, plowing, collecting fuel, and contacts with a circuit-riding minister. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

PIRRO AND THE BLACKBOARD (OF)

Pirro learns to draw on the blackboard—and is fascinated by the mystery of erasing. Pat Paterson draws donkey and Pirro plays pinning tail on donkey. Includes a lesson in fair play and good sportsmanship. Pirro draws surprise picture at end. (P-I)

One reel, 11 minutes
Rental, \$2.00

PIRRO AND THE MAGNET (OF)

Pirro is pulled to the magnet. First, he's frightened by its mysterious powers—then he learns how it works—and the wonderful magnet becomes a game. (P-I)

One reel, 11 minutes
Rental, \$2.00

PIRRO AND THE TELEPHONE (OF)

Pirro learns about the phone book—the telephone—how to dial—telephone conversation—and makes a test call to the operator. (P-I)

One reel, 11 minutes
Rental, \$2.00

PIRRO AND THE THERMOMETER (OF)

Pirro learns how mercury climbing in tiny stick indicates everything but spring fever. (P-I)

One reel, 11 minutes
Rental, \$2.00

PITCHING STARS (IHSA)

Shows star baseball pitchers in action, showing their form and style of delivery. Many greats are included. (J-H)

One reel (800 feet), 20 minutes
Handling charge, \$2.50

PLACER GOLD (AB)

During the gold rush of '49 only the simplest kinds of tools were used. Shown in this film are the gold pan method, the rocker or cradle method, the long Tom method, and the sluice box method. The narration brings out the importance of placer mining on California's history and the use of certain terms used by the early miners. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

PLACING THE RIGHT MAN ON THE JOB (USOE)

Several workers who are misfits on the jobs they are doing are reassigned to different jobs resulting in happier workers and increased production. (H-C)

One reel, 11 minutes
Rental, \$2.00

PLAIN INDEXING AND CUTTING A SPUR GEAR (USOE)

The setup of a milling machine, the use of the dividing head, and the cutting of an eight pitch spur gear with twenty-six teeth is included in this film. Animation is used to explain various parts used and to show their operation. (H-C)

One reel (1200 feet), 26 minutes
Handling charge, \$2.50

PLAN FOR STYLE (UHH)

A group of high school girls go to a department store to choose a wardrobe. Tips are given on the proper material and style for each type of girl, pointing out that she must choose clothes suitable for her color and personality. Clothes for different occasions, such as school, travel, sport and formal occasions are shown. (Color) (H)

One reel, 11 minutes
Handling charge, \$1.00

PLANER AND SHAPER OPERATION (FP)

Explains the construction and operation of the clapper box on straight surfacing, on dovetailing and on under cutting, as in the case of a tee slot. It illus-

trates the various methods of clamping and holding work, and the principles involved. The proper sequence of operations to machine a rough casting is shown. The practical factors involved in the removal of the skin of a casting are explained. (H-C)

One reel, 10 minutes
Rental, \$2.00

PLANNING AND LAYING OUT WORK (USOE)

A number of dramatized incidents point up the importance of careful planning before starting a job. The serious results of poor planning or no planning at all are demonstrated. (H-C)

One reel, 10 minutes
Rental, \$2.00

PLANNING FOR SUCCESS (C)

Treats the intimate relationship of success to personal adjustment. "How can I succeed?" is the key question—and the answer lies in a well-defined, realistically established goal and effort that is soundly guided. An unusual film for any group interested in emotional and mental health. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

PLANT GROWTH (EB)

A remarkable presentation of the growth of the pea plant. It shows by time-lapse photography and microphotography the entire story from the time the seed first sends out its root and stalk until the ripened seeds are scattered. The processes of pollination and fertilization are vividly portrayed by means of photography and animation. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

PLANT SPEAKS THROUGH DEFICIENCY SYMPTOMS (API)

Pictures soil depletion, erosion and the result of losses of plant food to crops. It shows the amounts of the three major plant foods removed by peach, tomato, sugar beet, tobacco, and corn crops and deficiency symptoms on many other major field and orchard crops. The tools scientific agriculturists have provided to determine the plant food requirements of crops are explained. (Color) (H-C)

One reel (800 feet), 25 minutes
Postage, 25 cents

PLANT SPEAKS THROUGH LEAF ANALYSIS (API)

Is introduced with scenes of giant redwood forests and the redwood empire in California. This sequence is followed by illustrations of how important leaves are to the production of lumber. A comparison is

drawn between this importance and the importance of the leaves of farm crops. The value of plant leaves in crop production is brought out. Methods of analyzing leaves in the laboratory to determine the amount of fertilizer crops require are shown. (Color) (H-C)

One reel (800 feet), 18 minutes
Postage, 25 cents

PLANT SPEAKS THROUGH SOIL TESTS (API)

Why and how our soil resources must be guarded is depicted in this color film. It shows where and how to take soil samples on the farm and pictures the value of soil tests when interpreted by experienced soil chemists. The actual analysis of soils in various laboratories throughout the country is shown. (H-C)

One reel, 10 minutes
Transportation charges

PLANT SPEAKS THROUGH TISSUE TESTS (API)

Laboratory and field tissue tests are described in this color film. It shows the value of tissue testing and the procedure for testing corn tissues in the field with the Purdue University field test kit. The tests are conducted by Dr. George D. Scarseth and his assistant, Mack Drake. (H-C)

One reel, 14 minutes
Transportation charges

PLANT TRAPS (EB)

Carnivorous plants have the unusual characteristic of entrapping and digesting insects and other small animals. The film shows how the pitcher plant lures insects to its trap, where they drown. The sun-dew, another carnivorous plant, is shown throughout its life cycle. The enfolding of insects by its leaf tentacles is presented very impressively by means of time-lapse photography. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

PLANTATION IN PERU (HFE)

Concerns an aspect of Peru not generally known: the raising of sugar in an almost rainless desert, and the life of the plantation owner and worker whose labor gives Peru a valuable agricultural product. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

PLANTATION SYSTEM IN SOUTHERN LIFE (C)

To understand social and economic patterns of the present is to see their counterparts of the past. Develops the term "plantation" in the broad sense of a cultural pattern, and shows how that pattern has had a deep and continuous influence on life in the South. (I-J-H-A)

One reel, 11 minutes
Rental, \$2.00

PLANTERS OF COLONIAL VIRGINIA (EB)

Recaptures representative phases of life in Colonial Virginia. In the course of a personalized and integrated story, the following are portrayed: the atmosphere and functions of the tobacco plantation; the significance of Williamsburg as the political and social center of the colony; the roles of the slave, indentured servant, and artisan; methods of manufacture and means of transportation; political and economic factors; practices in medicine and penology; and the costumes, architecture, social customs, and music of the period. (I-J-H-C)

One reel, 10 minutes
Rental, \$2.00

PLASTIC ART (EB)

Illustrates stages in producing a bronze statuary group from model group to full size group. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

PLAY CHAMPIONSHIP BASKETBALL (ASF)

Skillfully set-up demonstrations explain shooting, passing, dribbling, tapping, screening, blocking, use of arms and hands, defense on jump, guarding the shooter, infractions, drills, types of plays, and all major phases of court play. Basketball is translated into terms of fundamentals by the two-time national championship Oklahoma A & M team with All-American Bob Kurland and under the direction of coach Henry Iba. (J-H-C)

Two reels (1200 feet each), 62 minutes
Rental, \$8.00

PLAY IN THE SNOW (EB)

Activities of several children making a snow man, playing fox and geese, and coasting, healthily and wholesomely described. (P-I)

One reel, 11 minutes
Rental, \$2.00

PLAY VOLLEYBALL (ASF)

Full explanation of game. Slow motion and stop action photography are used to clarify the essentials of play. (I-J-H-C-A)

One reel (800 feet), 20 minutes
Rental, \$3.00

PLAYGROUND SAFETY (C)

Is a motivational film, planned to improve playground behavior by implanting three basic rules of the playground: (1) Be sure the play space is safe; (2) keep out of the way of other players; and (3) learn how to play skillfully. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

PLAYTOWN, U. S. A. (YMCA)

A dramatized story of how all local public and voluntary agencies in a community can organize to promote community-wide, all-age, year-round recreation. (Color) (H-C)

One reel (800 feet), 23 minutes
Rental, \$3.00

PLEDGE OF ALLEGIANCE

A short film giving only the Pledge of Allegiance which can be used at the closing of patriotic programs. (General)

One reel, 3 minutes
Postage, 25 cents

PLIERS AND SCREWDRIVERS (PTC)

Correct use of these tools as well as what not to do is shown. (J-H-C)

One reel (800 feet), 15 minutes
Rental, \$2.50

PLUMBING (VGF)

Features and importance of the trade are illustrated. Apprenticeship explained. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

PNEUMONIA (EB)

After directing attention to the mortality and preventative aspects of pneumonia deaths, this production traces the diagnosis and treatment of a typical pneumonia patient from the onset of infection to the time when the disease has been overcome. Both the drug and the serum treatments are demonstrated. Animated photography describes the appearance of infested lung tissues and the effect of serum. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

PO RIVER VALLEY — ITALY (UW)

The broad fertile land of the Po Valley, protected from cold winds by the high mountains which surround it and provide it with abundant hydro-electric power, makes an ideal area for the homes of almost half of the Italian people. This film is a picturization of the development of many large cities and industries fostered by the abundance of cheap electric power and skilled labor. It also presents a delightful contrast in the analysis of daily life in the village of Rivolta d'Adda, a farming community. The religious nature of these Italian farmers is highlighted by showing how each phase of the waking hours of the people is marked by the tolling of the bells in the local church tower. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$2.00

POLAND (EB)

Among the scenes are Warsaw, the capital — government buildings and characteristic street scenes, shops, transportation, parks, the market place, new

housing projects, the sharply contrasting old and new architectural styles. We see the Jewish district and its customs — streets, stores, and students. Also a typically individually owned small farm and its peasant proprietor. Other sequences show peasant home life, customs, mealtime, weaving, a kindergarten and primary grade, handicraft, wood carving and sculpture. Filmed in 1938. (J-H-C)

One reel, 15 minutes

Rental, \$1.50

POLAND FOREVER (FI)

This is a message from the youth of Poland, who are fighting for the liberty of their nation. It is the story of a nation both young and old — old in tradition of courtesy to man and reverence for God, and young in heroic dedication to the building of a new state. The film traces the history of Poland from the 15th Century to the present and outlines events leading up to the invasion. There are some vivid shots of a war ravaged people — people left in misery and desolation, forlorn and homeless, crushed in all but spirit. (H-C)

One reel (800 feet), 22 minutes

Handling charge, \$2.00

POLE VAULT (C)

Preparation of pole, length of run, approach, push-up and final turn are clearly demonstrated. (J-H-C)

One reel, 11 minutes

Rental, \$2.50

POLICEMAN, THE (EB)

Describes the function of police officers in general and follows a typical city patrolman through one of his regular shifts of duty. In due course, the use of motorcycles and patrol cars with two-way radio communication is demonstrated and explained. Lessons in pedestrian and vehicular traffic safety are developed, along with the role of the policeman in rescue work and the apprehension of a speeding driver. (I-J-H-C)

One reel, 10 minutes

Rental, \$2.00

POLITICAL PARTIES (C)

A conceptual film, designed to show the relationship of political parties to the individual, and to show that the institution of parties is dependent upon popular approval. The work of party mechanics is illustrated, and the way parties keep good will. (I-J-H-C)

One reel, 11 minutes

Rental, \$2.00

POLITICS AND THE CIVIL SERVICE (ASFL)

The offices of the National Civil Service Reform League are visited, with their files of clippings, records of exposures and reforms brought about through their efforts. The scenes presented bring out the idea that civil service should be divorced from politics and that

officials should be chosen not for their political persuasion, but for their aptitude. In a short sequence the English civil service is presented as a contrast to the American spoils system. University students at Oxford and Cambridge take difficult detailed examinations. Shown at work in government offices, they lead calm, industrious lives, little affected by political changes in the government. (J-H-C)

One reel, 6 minutes

Rental, \$1.00

POLYGONS (KB)

Opens by showing real life polygons. The definition of polygon and the ideas of convex and concave are clarified by animation. The inscribed circle and the circumscribed circle of a regular polygon are described. The sum of the interior angles theorem and the sum of the exterior angles theorem are covered in detail. (H-C)

One reel, 12 minutes

Rental, \$2.00

POND INSECTS (EB)

Presents the diving water beetle, the mayfly, and the dragonfly, as representative of this group of insects. Their life cycles are portrayed, as well as their food habits and struggle for existence. Among the events shown are the method by which the diving beetle lays its egg; a water beetle larva attacking a large tadpole; the mayfly molting after acquiring wings; the mayfly hiding from its enemies; and the remarkable mask of the dragonfly nymph. (I-J-H-C)

One reel, 11 minutes

Rental, \$2.00

PONY EXPRESS (E)

This is a story of how the letters of 1860 were dispatched across the western frontier by horse relays and couriers. A letter is followed from the time it is mailed in a general store post-office and franked with the running horse seal until it reaches California 10 days later and is delivered to a miner at Sacramento. Close-ups of the steps and tools used in this service afford an understanding of the mochila, cantina, and saddle of Pony Express days. (I-J)

One reel, 11 minutes

Rental, \$2.00

PORK ON THE FARM (USDA)

Hog killing time in Georgia! Luscious sugar ham, fine chops, and crisp bacon tantalize us in the opening scenes of the film. With this beginning the film introduces us into the best methods of killing and curing pork on the farm. First the hog is killed, skinned, cleaned, and finally cut in half in preparation for making the final cuts of meat. The cutting of the hog by an excellent demonstrator shows the exact nature of the cuts of meat. Several scenes show how the government has assisted the hog producers by teaching

them how to butcher their own hogs. Various curing methods are also shown. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$2.00

PORTS OF INDUSTRIAL SCANDINAVIA — SWEDEN'S EAST COAST (UW)

This film shows us that these people of one of the earth's most northern countries live well because abundant water power helps them to make good use of their forests, minerals and farm lands. By following an icebreaker merchant vessel along Sweden's east coast, we observe the products at several industrial port cities. We see several of the industries which are based on Sweden's most important natural resources — hydroelectric power, iron and lumber. Life in old and new Stockholm is contrasted. At a department store examples of the craftsmanship of Sweden's potters and glassmakers are studied. Finally, we accompany the first mate of the merchant vessel to his home in one of Sweden's cooperative apartments and observe the members of his family going about their household tasks. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$3.00

PORTUGAL (MOT)

The status of education, labor, and industry in this country whose future role among the nations of the world is still undetermined is shown with objectivity in this film. (J-H-C)

One reel (800 feet), 12 minutes
Rental, \$2.00

POSTURE AND EXERCISE (EB)

Describes and explains muscle activity and physiology of exercise. The various concepts presented include the relation of the nervous system to the skeletal muscles; motor units of work; muscle tonus in relation to posture; development of endurance; and peripheral circulation as it is related to general physical efficiency. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

POSTURE HABITS (C)

Makes the child posture-conscious and motivates development of good posture habits during the formative years. Treats standing, walking, and sitting postures. (I-J)

One reel, 11 minutes
Rental, \$2.00

POTTERY MAKING (EB)

Shows a professional potter at work mixing clay preparatory to centering it on a wheel, shaping, trimming, and preparing it for firing. An Indian bowl is constructed by the ancient method of building up and shaping coils of clay, on which a primitive design is

later added. The use of a plaster cast in the molding of duplicate pieces is demonstrated. The art of making angular shaped pottery by cementing together slab pieces likewise is shown, along with methods of decorating and firing. Techniques of applying glazing slip by dipping, brushing, spraying, and pouring are treated. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

POULTRY — A BILLION DOLLAR INDUSTRY (USDA)

The magnitude of the poultry industry and how it is conducted are shown in this film. Scenes include poultry farms, hatcheries, poultry dressing and handling of poultry products. (General)

One reel (1200 feet), 30 minutes
Rental, \$3.00

POULTRY ON THE FARM (EB)

Treats the appearance and habits of adult and young chickens, ducks, geese, and turkeys. Chickens are shown roosting, drinking, and feeding. The gathering of eggs, the brooder house, and the incubation of eggs are depicted, along with scenes of a chick embryo, chicks hatching, young ducklings swimming and feeding, and families of geese and turkeys in characteristic situations. Natural sounds of the poultry are reproduced. (P-I)

One reel, 11 minutes
Rental, \$2.00

POULTRY RAISING (VGF)

Problems and responsibilities of this business enterprise described for vocational purposes. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

POWER (JH)

Shows how energy is harnessed in the modern gasoline engine and automobile. Before our eyes in animated pictures and cutaways we see the four-stroke cycle internal combustion engine going through its complete stroke cycle — intake — compression — power — exhaust.

We see how only the power stroke drives the car forward. And we are shown why the flywheel is necessary to keep the piston moving for the other three strokes. Made clear is the need for four or more cylinders in making power flow smoothly.

The explosion of the gasoline air mixture in the cylinder is shown forcing the connecting rod down to turn the crankshaft. We see this force travel through the transmission, along the propeller shaft, through the differential and rear axle and we see it turn the wheels. In short, we are shown power at work. (J-H-C)

One reel, 9 minutes
Rental, \$2.00

POWER AND THE LAND (RKO)

In 1939 the Rural Electrification Administration produced one of the government's most notable documentary films. The film deals with the economic and social significance of rural electrification. (H-C)

One reel (1600 feet), 45 minutes
Rental, \$3.00

POWER WITHIN, THE (USBM)

The development of a suitable fuel for use in Internal Combustion Engines and the operation of these engines are among the highlights of the film produced by the Bureau of Mines. Animated drawings illustrate the operation of the four-stroke cycle of an automobile engine cylinder, comparing the strokes of the engine using gasoline with the loading, ramming, firing and clearing of a cannon using gun powder. Research in connection with problems on fuel is also shown in this thorough film. (J-H-C)

One reel (800 feet), 19 minutes
Handling charge, \$1.00

POWERS OF CONGRESS (C)

A fantasy is employed in this film to define and explain the powers of Congress. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

PRAIRIE PROVINCES OF CANADA (EB)

Orients the prairie provinces of Manitoba, Alberta, and Saskatchewan as part of the Dominion of Canada, and in relation to the United States. It includes the northwest territories. The major sequence is concerned with grain growing, tracing the steps from planting to milling. Other sequences included are on people, agriculture, furs, transportation, minings, and commerce. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

PRAYING MANTIS, THE (HFE)

An amazingly intimate study of one of nature's most interesting insects, the "Praying Mantis." Detailed micro-cinematography is used throughout this film, recording the various stages of this insect's exciting existence. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

PRECISION BASKETBALL (IHSA)

The film opens with the manufacture of the precision basketball. An authority on the technicalities of basketball explains the rules of play by illustrating the various plays. The rules illustrated are: Rule 7; Rule 11, Section 7; Rule 7, Section 10; Rule 15, Section 9; Rule 7, Section 12; Rule 15, Sections 9 through 12; Rule 7, Section 2; Rule 10; Rule 7, Section 9; Rule 8, Section 8; Rule 1, Section 5. The purpose of the film

is to throw some light on the principal points of controversy. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$2.50

PRECISION GAGE BLOCKS (USOE)

Shows how to calculate a stack of gage blocks; how to clean and assemble blocks; and various uses of gage blocks. (H-C)

One reel (800 feet), 18 minutes
Rental, \$2.50

PRECISION LAYOUT AND MEASURING (FP)

The picture starts by explaining layout and dimensioning. Among other things, it explains the basic methods of precision layout. Precision measuring instruments are broken down into their five basic principles; the micrometer screw, the multiplying lever, the vernier scale, the contact gauge, and optical magnification. Each of these principles is clearly explained and different examples of each are shown. The measurement of angles by protractor, dividing head, and sine bar is shown. (H-C)

One reel, 11 minutes
Rental, \$2.00

PREFACE TO A LIFE (UW)

Depicts the critical years in a child's life. Shows how his developing personality is affected by the attitudes and actions of his family, friends and neighbors. (A)

One reel (1200 feet), 29 minutes
Rental, \$3.00

PRELUDE TO WAR (OWI)

This introductory film to the "Why We Fight" series explains in graphic and persuasive style the events leading up to our entry into the war and why we entered the conflict. (H-C)

Two reels (1200 feet each), 54 minutes
Rental, \$4.00

PRESERVING FOOD (C)

Whether it's for a day or for a year, the rules for preserving food are the same — care, cleanliness, and control of moisture and temperature. This home economics film teaches the knowledge and skills necessary to preserve our food. It shows the nature and effect of molds, yeast, bacteria, and enzymes in relation to food spoilage. The reasons behind short-term and long-term methods of food preservation are given, and each method explained. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

PRESIDENCY, THE (MOT)

The present position of the presidency is traced from the constitutional beginning of the office, through the

development of the implied powers to the unique status of the presidency today. Relates the presidency to the men who have held the office and to the events that have shaped their conduct. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

PRESIDENT'S CABINET (C)

Relationship of the President's cabinet to everyday life situations and to other functions of our government is shown in this important civic production. Functions of the cabinet and the executive departments are outlined and a review of the general development of the cabinet is offered. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

PRICES UNLIMITED (OWI)

This is a powerful presentation of what would happen to prices in this country if we did not have rationing. The point is interestingly driven home in story form when two girls try to "beat the game" until one of them is made to realize, through a dream, the disastrous results that would ensue were everyone to follow the illegitimate tactics that they practiced. The film features Leon Errol. (H-C)

One reel, 10 minutes
Handling charge, \$2.00

PRIDE AND PREJUDICE

(TFC, Restricted to Classroom Use)

This is an abridged version of the feature-length dramatization of Jane Austen's novel. (J-H-C)

One reel (1600 feet), 40 minutes
Rental, \$5.00

PRIMARY CELL, THE (EB)

The structure of the primary cell is diagramed, and the manner in which electrical current is created through the reaction of positive and negative electrons is demonstrated by animated drawings. The use of the primary cell in portable radios, cameras, and other electrical appliances is shown. (J-H)

One reel, 11 minutes
Rental, \$2.00

PRIMITIVE ARTISTS OF HAITI (EB)

A documentary study of the work of the native artists of the Carribean republic of Haiti. Traces the development of the centre d'art founded some years ago by two American artists. Suggests the social and economic background of the Haitian people. Tells the story of the art center movement, the system by which it is carried on, and shows some characteristic results obtained. An excellent study of genuine primitive artists and their work as well as an interesting case

study of one aspect of democratic living. (Color)
(J-H-A)

One reel, 11 minutes
Rental, \$3.00

PRINCESS AND THE DRAGON, THE (I)

Employing the technique of multiple-photography of puppets in changing positions, this picture cleverly animates the story of the cobbler boy who slays a dragon and wins the hand of the fair princess. The film, designed for children, will entertain people of all ages with its delightful story and characters. (General)

One reel, 10 minutes
Rental, \$2.00

PRINCIPAL DIMENSIONS, REFERENCE SURFACES, AND TOLERANCES (USOE)

Shows the relationship between the blueprint and a rough and finished casting; how to use a blueprint in selecting reference surfaces; interpret tolerances; and use a blueprint in checking the accuracy of finished work. (H-C)

One reel, 12 minutes
Rental, \$2.00

PRINCIPLES OF BAKING (EB)

Explains the factors involved in the making of baked products. It shows that flour is the common ingredient in all baked products or flour mixtures. It goes on further to explain the other ingredients which are used, depending on the kind of product desired. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

PRINCIPLES OF COOKING (EB)

A demonstrative film on the fundamental principles of the simple cooking processes—boiling, frying, broiling, roasting, and steam cooking. Each process is described in terms of its effect on nutritive values and palatability of foods. Animated diagrammatic drawings explain the changes that take place in starches and meat when heat is applied. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

PRINCIPLES OF DEVELOPMENT

See

CHILD DEVELOPMENT: PRINCIPLES OF DEVELOPMENT

PRINCIPLES OF GAS FILLED TUBES (USOE)

Explains theory of ionization applied to gas filled tubes, control of currents, the gas diode as a rectifier; action of grid and application of gas triode as a rectifier. (J-H-C)

One reel (800 feet), 15 minutes
Rental, \$2.50

PRINCIPLES OF HOME CANNING (EB)

The importance of selecting choice, garden-fresh foods for best results in home canning is emphasized. Causes of food spoilage by molds, yeast, and bacteria are explained, and are strikingly illustrated by micro-photography of molds, yeast, and the botulinus bacilli. Four principal types of jars and closures are fully demonstrated. The need of using only perfect jars and closures is stressed. The film concludes with proper storage of food for future use—food which is preserved with a maximum of its original flavor and nutritive value. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

PRINCIPLES OF REFRIGERATION (USOE)

An excellent film study which deals with the discovery and development of refrigeration—shows the application of its principles in commercial and household uses for the preservation of food, and clearly presents a concise story of the modern necessity. (H-C)

One reel, 11 minutes
Rental, \$2.00

PRINCIPLES OF SCALE DRAWING (C)

Wherever things are built, scale drawings are the language of construction and a vital means of communication. Jack, Gill, and Helen are building a booth for the Charity Fair. In solving their basic problems they instruct the viewer in the skills and interpretation of scale drawing. Determining scale, using measuring and scaling tools, understanding terms, and the vital importance of scale drawing in modern industry are concepts and techniques applied in this film. (J-H)

One reel, 10 minutes
Rental, \$2.00

PRINTING (VGF)

The jobs of compositors, pressmen, layout, bindery, linotype and monotype which are concerned with the printer's art are well illustrated with shots using letter presses, rotary presses, offset and newspaper presses. The training of an apprentice is well outlined. Primary use of the film will be in guidance. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

PROBLEM DRINKERS (MOT)

Takes you step by step through an alcoholic's downfall and his rehabilitation. Tells the story of what has been done to date by such well-known organizations as Alcoholics Anonymous, the Research Council on problems of alcohol and the laboratories of the Yale School of Alcohol Studies to control alcoholism and have it recognized as a disease. (H-C)

One reel (800 feet), 19 minutes
Rental, \$2.25

PROBLEMS IN HOUSING (EB)

This film contrasts the "dream" home of modern technology, fitted with every device for comfort and convenience, with the inadequate houses in which most of us continue to live. Photographic sequences establish standards for pleasant and healthful housing and demonstrate simple, practical ways to make the houses of yesterday meet requirements recognized today. Protection from the weather, adequate light, safety, beauty and freedom from intruders present personal problems for which any school child may help to provide a solution. The film creates an awareness of physical surroundings, their influence upon man and his ability to control them. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

PROBLEMS OF CITY DRIVING (PRP)

Covers the hazards of heavy traffic in urban areas. Some of the points of safety covered are: correct procedure of entering street from private driveways; which lane to use in varying circumstances; safety zones and pedestrian hazards; when and how to park in parallel and diagonal areas and on hills; who has the right-of-way at various types of intersections; emergency vehicle right-of-way; U turns, when and how to make; and many other examples of heavy traffic hazards. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

PRODIGAL SON (RFA)

The parable of Jesus enacted by puppets created by Mabel Beaton. (P-I-J)

One reel (800 feet), 14 minutes
Rental, \$3.00

PRODUCTION OF FOODS (EB)

Animation depicts role of land in production of foods, influence of food production methods, and the relation of animal food to plant food. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

PRODUCTIVITY—KEY TO PLENTY (EB)

The theme of the film is American production, and how we in America have achieved a capacity to produce coupled with a standard of living unequalled anywhere else in the world. It concerns the development of production, from the crude efforts back in the 1800's, to the highly efficient production of today, with a suggestion of the greater capacity for production in the future with atomic power the main tool. (J-H)

One reel (800 feet), 20 minutes
Rental, \$3.00

PROPAGANDA TECHNIQUES (C)

Chuck would like to know whether the election was really "a victory for good government" as the victorious party claimed, or just a victory for propaganda. The film teaches the methods of recognizing and evaluating propaganda, and also encourages one to adopt a judicious, critical attitude toward it. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

PROPERTIES OF TRIANGLES (KB)

The practical importance of the rigidity of the triangle is illustrated by comparing the strength of triangles with the strength of non-rigid figures. Animated treatments of the angle bisectors theorem, the perpendicular bisectors theorem, the altitudes theorem and the medians theorem follow. The merging of lines and points when a triangle becomes equilateral is shown. (H-C)

One reel, 12 minutes
Rental, \$2.00

PROPERTIES OF WATER (C)

The film demonstrates the composition of water boiling under different pressures, distillation, solubility of solids, liquids and gases in water, saturation, super-saturation, crystallization, water as a standard and energy changes in freezing and vaporizing. (H-C)

One reel, 11 minutes
Rental, \$2.00

PROPERTY TAXATION (EB)

Social usefulness of property taxation, types of government expenditures supported by such taxes, bond issues and levying taxes illustrated. Fundamental operations of arithmetic are practically used. (J-H-C)

One reel, 10 minutes
Rental, \$2.50

PROPHET WITHOUT HONOR

(TFC, Restricted to Classroom Use)

Opens with a view of the Hall of Fame wherein are the busts of seventy-two honored Americans. The scene shifts to 1825 with young Maury as a midshipman, at sea. Meeting with an accident and becoming crippled for life, he is transferred to a bureau. He makes an intensive study of the old records and eventually maps out a chart of the ocean's behavior regarding currents and wind directions. After proving his charts, the whole world honored Maury. The picture closes with views of diverse modern activities all aided by his studies of wind and weather. (J-H-C)

One reel, 11 minutes
Rental, \$2.25

PROSPECTING FOR PETROLEUM (SOC)

Puppets show how the crude methods of early oil prospectors have been replaced by highly sensitive instruments. An excellent film. (Color) (General)

One reel (800 feet), 22 minutes
Rental, \$1.00

PROTOPLASM BEGINNING OF LIFE (B)

Depicts the earliest forms of life as revealed through Geology, showing characteristics of living things, movement, irritability, assimilation, and reproduction. Shows that through reproduction the race of a species lives on. (C-A)

One reel, 11 minutes
Rental, \$2.50

PUBLIC OPINION (EB)

Public opinion process is traced through state of tension, diagnosis and prescriptions, further debates to final action. Shows what affects public opinion process. Methods of measuring public opinion are illustrated, also ways of analyzing factors that influence public opinion. Defines nature of an enlightened public opinion in a Democracy. (J-H)

One reel, 11 minutes
Rental, \$2.00

PUBLIC OPINION IN OUR DEMOCRACY (C)

Attitudes of citizens toward prominent issues in political and social life are a vital part of the American system. Explains the importance of public opinion, shows how it is formed and determined on a significant community issue. From it students will learn the importance of their opinions and the obligation they have to express their opinions in terms of responsible action. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

PUEBLO HERITAGE (AS)

Shows the background for the Pueblo culture in modern New Mexico by tracing this culture from pre-white man era to the present. The native Indians are shown pursuing their crafts of pottery and jewelry making. A tribal celebration at Gallup is shown, in which the Taos, Zuni, and Acoma Indians participate. Other films in this series are: Miracle on the Mesa and Seminoles of the Everglades. (Color) (General)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

PUNCHES (PTC)

How to use this tool. (J-H-C)

One reel (800 feet), 15 minutes
Rental, \$2.00

PUNCTUATION — MARK YOUR MEANING (C)

An absorbing film story which, in a matter of minutes, emphasizes the importance of proper punc-

tuation and its basic rules as no amount of weary classroom repetition could ever do. (I-J)

One reel, 11 minutes
Rental, \$2.00

PUPPET FACES (BFS)

Shows the detailed operations of making puppets with built-up features. The process of raising the features commences with making the frames for the eyes, nose, and ears, of wire. When the wire has been inserted and fastened to the sock, papier maché is made to cover the frames. The process of making the papier maché and the ingredients are carefully depicted. When this mixture is of the correct consistency, the features are moulded and fastened to the already inserted frames.

Mixing the paint and decorating the features is shown to aid the beginner in determining the proper shading and the correct procedure. A method of steadying the hand while painting concludes this half-reel. Models of this type of puppet are shown in action to give the beginner an idea of the imaginative figures that may be created. (J-H-C)

One reel, 6 minutes
Rental, \$1.25

PUPPET THEATRE (BFS)

A simple puppet theatre is shown in the course of construction. The style of the "stage" is as elementary as possible, so that the beginners may follow it clearly. A "curtain" is constructed from an old roller shade, and decorated. Methods of keeping the puppets on an even line during the course of their action are clearly reproduced.

When the stage is completed, a short play, using the characters of Hansel and Gretel, is produced for a group of children assembled to see the finished product. Various other characters appear, and scenes from both front and back stage are included. (J-H-C)

One reel, 6 minutes
Rental, \$1.25

PUPPETRY — STRINGED MARIONETTES (EB)

In this film we accompany a little boy as he visits a puppeteer's workshop. We observe the craftsman working on the construction of one of the dolls through-out its various stages. The film concludes with an episode from the "Hansel and Gretel" story, acted by the marionettes. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

PUSS IN BOOTS (Castle)

A cartoon adaptation of the fairy tale. Sinbad out-smarts the pirates with his tricks. (Color) (General)

One reel, 11 minutes
Rental, \$2.00

PYGMIES OF AFRICA (EB)

The film depicts subsistence of Pygmy tribes living in the Congo River Region of Central Africa. Mode of living, gathering of food, hunting methods, animals native to the region, a community game hunt, and bartering processes are among the many phases of native life presented in this film. Witch doctor mysticism is very interesting as are the native superstitions. (I-J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

PYTHAGOREAN THEOREM (KB)

Presents the historical background of the theorem and includes a detailed discussion of an interesting use of the 3-4-5 triangle by the Egyptians. The theorem is proved and examples are shown. The basic importance of the theorem is stressed. (H-C)

One reel, 12 minutes
Rental, \$2.00

QUADRILATERALS (KB)

Illustrates and explains the chief properties of the important quadrilaterals, including the parallelogram, rectangle, rhombus, square, trapezoid, and trapezium. (H-C)

One reel, 11 minutes
Rental, \$2.00

QUALITY MILK PRODUCTION (CCC)

The important steps in producing clean wholesome milk are depicted in this film. Farm scenes show how sanitation is practiced in the control of mastitis and producing milk of a low bacterial count. A number of scenes inside the laboratory and plant of the receiving station stress the procedures to be followed in maintaining a high quality product. The plant fieldman is shown in action and how he serves the needs and interests of the producer and the processing plant. (H-C)

One reel (1200 feet), 30 minutes
Handling charge, \$1.00

QUALITY MILK WITH LESS LABOR (PCA)

Shows the importance of dairy products in the food diet and construction details for milk houses, milk-cooling tanks, dairy barns and floors, paved barnyards, walks, manure pits, and other dairy farm improvements. (Color) (H-C-A)

One reel (800 feet), 20 minutes
No charge

QUICKER THAN YOU THINK (ARCO)

A cooking demonstration featuring quick, easy menus and prepared meats. (J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

RADIO AND TELEVISION (VGF)

Starts with a series of dissolves showing wireless set of hand key and sounder type, terminal station, transoceanic wireless station, radio room of large ship talking from airplane to ground station. The development of radio is sketched. Radio's relation to television is shown. This is one of "Your Life Work" series showing the training and personal qualities necessary and the promotional opportunities for those interested in radio. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

RADIO BROADCASTING TODAY (MOT)

Shows why radio has been accused of such extremes. Important programs such as Toscanini, Norman Corwin, Town Hall; others like popular comedians Benny, Bergen, Hope, Allen; the film appraises all these as well as the many other types of programs that make up radio today. (General)

One reel (800 feet), 19 minutes
Rental, \$2.25

RADIO TECHNIQUE SERIES: PERIODIC FUNCTIONS (USN)

Opens with trick photography to produce two generators and a voltmeter. Narration then explains sine vectors and periodic functions. An oscilloscope is used to show waves made by the generators. Frequencies of generators are explained by animation. (H-C)

One reel (800 feet), 17 minutes
Rental, \$2.00

RAILROAD SIGNAL (NYC)

After short review of past RR signals, the automatic system used on present large railways is explained. (General)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

RAIN ON THE PLAINS (USDA)

The value and importance of using proper measures of conservation with soil which lacks sufficient water is to be seen in this film. When rainfall is saved by contour plowing and terraces, the ground remains fertile and villages and cities can flourish on the plains. (General)

One reel, 10 minutes
Handling charge, \$1.00

RAINBOW PASS

(TFC, Restricted to Classroom Use)

After a glimpse of the Chinese countryside and the celebration by peasants of a holiday in honor of the soil, we see "The Rainbow Pass," a famous Chinese drama.

Then there is the theatre where members of the audience sit at tables eating. Others view the drama from rows of benches. The stage is bare except for chairs and tables arranged by the property man who

wears black to denote he is meant to be invisible. He arranges the chairs to indicate twin mountains with the Rainbow Pass between them. These are conventionalized symbols clearly understood by the audience.

Each character introduces himself and explains his rôle. During a duel one of the combatants falls, but not until the property man has carefully arranged three pillows, pausing during the process to relight his cigar. Attendants pass among the audience with hot towels for the face. The wife of the slain man enters, challenges his slayer. They go through the symbolic steps of combat but as they fight, hate turns to love, and they leave the stage together. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

RATIO AND PROPORTION (KB)

Shows some applications of the idea of ratio in various real life situations. The relationship between a ratio and a proportion is clarified. The "product of means equals product of extremes theorem" is covered in detail. The usefulness of ratio as a means of comparing quantities is emphasized. (H-C)

One reel, 11 minutes
Rental, \$2.00

REACTIONS IN PLANTS AND ANIMALS (EB)

After first characterizing the concepts of "stimulus" and "reaction," the film presents a study of different types of reactions in plants and animals. Directed reactions in a field of force (tropisms) are studied first; then higher reactions including reflexes and chains of reflexes lead up to a review of nervous system activity. Such reactions as geotropism, phototropism, stereotropism, galvanotropism, and rheotropism are studied in detail. (H-C)

One reel, 11 minutes
Rental, \$2.00

READING A 3-VIEW DRAWING (USOE)

Shows how to use a blueprint to visualize the object, how to interpret a blueprint; and how to make a tool block according to specifications. (H-C)

One reel, 10 minutes
Rental, \$2.00

READY TO TYPE (C)

Shows students that readiness is the prerequisite to typing efficiency — making all necessary adjustments to the machine and to oneself — getting ready mentally and physically to control the typewriter. (H-C)

One reel, 11 minutes
Rental, \$2.00

REALM OF THE WILD (USDA)

Our national forests are great wilderness homes for America's wildlife and abundant with numerous species of colorful wild flowers. One-third of all our big game

animals and myriad smaller animals and birds claim the national forests as their home. This Kodachrome picture reveals that even more vital than game laws to our wild birds and animals is an assured year-round supply of the grass, weeds, shrubs, and trees which provides them with food and cover. The area of land and its capacity to produce food for wildlife are both limited. For this reason wildlife populations must also be limited. (Color) (J-H-C)

One reel (1200 feet), 30 minutes
Rental, \$5.00

RECEIVING RADIO MESSAGES (EB)

Explains in detail, by animated drawings, the fundamental steps and principles in radio reception by using the simplest form of receiver—the crystal set. It shows the elements of a simple radio receiver and the scientific principles involved in radio. (J-H)

One reel, 11 minutes
Rental, \$2.00

RECONDITIONING A GRAIN DRILL (USOE)

How to inspect and repair a typical grain drill; how to clean and lubricate the fertilizer and seeding mechanism; how to inspect the seeding tubes, the clutch and driving mechanism; how to adjust the pressure springs; how to repair the disc furrow openers, the drive chains, and the pawl assembly; and how to calibrate the seeding mechanism are shown. (H-C)

One reel (1200 feet), 31 minutes
Rental, \$2.50

RECONDITIONING A MOWER (USOE)

Methods of checking, reconditioning, and repairing the cutter bar of a mower are clearly depicted in this film produced by the United States Office of Education. It shows how to remove and replace worn sections in the sickle; how to replace and adjust knife clips and wearing plates; how to align the ledger plates; how to adjust the cutter bar to the proper lead; and how to adjust the sickle for register. (H-C)

One reel (800 feet), 22 minutes
Rental, \$2.50

RECONDITIONING A TWO-BOTTOM TRACTOR PLOW (USOE)

Shown are: how to check, repair, and maintain a two-bottom tractor plow; how to check and repair the different wheel assemblies; how to check and repair the power lift assembly; and how to find the center of resistance and the line of draft. Instruction also is given for mixing the ingredients of the prime coat for painting farm machinery. (H-C)

One reel (1200 feet), 25 minutes
Rental, \$2.50

RECTILINEAR COORDINATES (KB)

Clearly and interestingly this film discusses the mathematical principles involved in the two-dimensional and three-dimensional coordinate system. Clever animation in synchronism with numbers makes possible a concise explanation of Descartes theorem, point, line, plane, solid, number scale, coordinates, plus and minus values, axes, and three-dimensional locations. (H-C)

One reel, 11 minutes
Rental, \$2.00

RED-WINGED BLACKBIRD (C)

Two of these birds are followed through courtship, nest building, hatching and fall migration. (Color) (General)

One reel, 11 minutes
Rental, \$3.00

REFINING OIL FOR ENERGY (SOC)

Shows by animation, photographs and drawings the process of transforming crude oil into usable oils and gasoline. The terms distillation, alteration and purification are explained, showing how each is used in getting more and better gasoline and lubricating oil from the crude petroleum. The role of petroleum research is also shown. (Color) (J-H)

One reel (800 feet), 22 minutes
Rental, \$1.00

REMEMBER THESE FACES (OWI)

The emotional impact of full color is employed to produce an unforgettable picture of the wounded in a great invasion of the Pacific. The camera follows the grim spectacle of wounded men from the front line to hospital ship and records the rapid transition from front-line casualties to men safe in the hands of modern medicine and with a fighting chance for recovery. (H-C)

One reel (800 feet), 19 minutes
Handling charge, \$2.00

RENAISSANCE, THE (C)

The Renaissance was more than an historical period. It represented a mental attitude and a human spirit. It is this spirit which the film evokes in a wealth of colorful, authentic images. From Galileo's telescope to Leonardo's notebooks, from the Medici Palace in Florence to St. Peter's Cathedral in Rome, your students will experience something of the science, the literature, the arts, and above all, the driving spirit of human endeavor that gave us the Renaissance. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

REPAINTING A FRAME BUILDING (Castle)

How to determine repairs needed on building before painting; how to estimate amount of paint to be used;

how to prepare building for paint job; how to set up staging; how to prepare factory or home prepared paint; how to prime-coat; how to store paint and equipment; and how to care for brushes. (I-J-H-C)

One reel (800 feet), 18 minutes
Rental, \$2.00

REPORT FROM THE BEACHHEAD (OWI)

A stirring film showing the established beachhead at Anzio, the hardships endured—fighting, mud, guts, blood, and dying. It stresses the fact that no matter how costly, our own boys will fight and die until victory is won. (H-C)

One reel, 11 minutes
Handling charge, \$2.00

REPORT FROM RUSSIA (OWI)

Is a story of and a tribute to the strength of Russia—her people. Produced by the Office of War Information this film tells of the courage, the energy, and the untiring effort of the Russians behind the front lines. It helps to explain the holding and striking power of Russia. (J-H-C)

One reel, 8 minutes
Handling charge, \$2.00

REPORTS FROM AAF (OWI)

A report from Britain, showing the RAF and the Eighth Air Force on a hedgehopping bombing flight over France and Germany. Also included is the Fifth Air Force report from New Guinea, showing the Army Air Force maintenance and repair installation in Port Morsby, New Guinea. Featured are the ingenious tools and devices made by the Army Air Force G. I. maintenance crews from salvaged parts of disabled planes and jeeps. (H-C)

One reel, 10 minutes
Handling charge, \$1.50

REPRODUCTION AMONG MAMMALS (EB)

Actual motion picture photography, microcinematography, animated drawings, and stop-motion are used in presenting the story of embryology. The domestic pig was selected for the purpose of illustration. The story is fundamentally complete from the formation of the original male and female germ cells to the active newborn pig. (H-C)

One reel, 11 minutes
Rental, \$2.00

RESCUE SQUADRON (McGH)

The story of the Air Rescue Service relates dramatic accounts of various air rescues, both military and civilian, in time of disaster. (J-H-C-A)

One reel (800 feet), 17 minutes
Rental, \$4.00

RESPECT THE LAW

(TFC, Restricted to Classroom Use)

A case is dramatized in which failure to respect the law places the burden of one man's selfishness on the shoulders of an entire community. The respected owner of waterfront properties is told that adequate rat-proofing of his properties will cost \$26,000. The owner bribes the city inspector to avoid this cost. Later, rats from incoming ships spread Bubonic Plague and many die. Both the culprits are apprehended and serve long prison terms. (J-H)

One reel (800 feet), 20 minutes
Rental, \$3.00

REST AND HEALTH (C)

Burning the candle at both ends—that was George lately. Training for the conference track meet, trying to keep those grades up, not getting enough sleep—even Sue was beginning to notice the change in him. But the coach succeeds in showing George the importance of enough rest and sleep, and their beneficial effect on every daily activity. The film explains the fundamental facts about rest and teaches students to build correct rest habits. (J-H)

One reel, 10 minutes
Rental, \$2.00

RESTAURANT OPERATOR (VGF)

Four fundamental types of restaurants are illustrated and types of jobs indicated. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

REWARD UNLIMITED (OWI)

Dramatized is the great need for Cadet Nurses. As Peggy Adams wanders down the street after saying goodbye to her fiancé who just left for overseas, she stumbles and falls down. The woman who dresses Peggy's knee has been a nurse for twenty years. She interests Peggy in the U. S. Cadet Nurses Corps. The film takes us through her training as a student nurse and shows the rewards that come from a war job well done. (J-H)

One reel, 11 minutes
Handling charge, \$1.50

RHYTHMIC EXERCISES (BFS)

Presents a group of junior high school boys illustrating rhythmic techniques, running through a series of exercises to a simple melodic background. Each element is then demonstrated in slow motion detail. (I-J-H)

One reel, 10 minutes
Rental, \$2.00

RICHES OF THE VELDT (UW)

You meet a typical family in the city of Johannesburg and see their way of life and surroundings. Through an intimate knowledge of these people, and

of the life of other South Africans, their fabulous natural resources, their standards of living, there comes a clear understanding of African land and people with relation to the rest of the world. Also, the native culture of a Zululand kraal is contrasted with metropolitan Johannesburg. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

RIDING THE FILM (JH)

The problem of lubrication is dealt with in this motion picture. The film begins with a winter sport sequence showing how ice melts to form a lubricating fluid for skate blades. The limitation of water as a lubricant is discussed and the use of soap, wax, and tallow for lubricating purposes is shown.

Specifically, the picture deals with the problem of lubricating an automobile engine with oil. The value of oil as a lubricant is shown to be due to its ability to keep an unbroken film which holds sliding surfaces apart under varying temperatures.

We see that oil can be circulated through a machine by splashing, dripping or forcing it in a stream to the motor's various parts. Lubricating an automobile engine requires all of these methods. In real photography and animation we follow the path of oil from the pump to the main bearings, valves, connecting rods, and other working parts. (J-H-C)

One reel, 10 minutes
Rental, \$1.50

RIGHT OF WAY (OWI)

Pictured in this film are a troop train, a freight train, and a truck rushing to a convoy scheduled to sail early the next morning, to deliver the goods on time. An explanation of why the civilian public must be inconvenienced at times in its traveling so that materials of war will not arrive too late is given. (H-C)

One reel, 7 minutes
Handling charge, \$1.50

RIKKI, THE BABY MONKEY (EB)

An afternoon with Rikki, a baby Rhesus monkey, in his jungle home. Shows Rikki with his mother being fed, watched over, and exploring the interesting world about him. Shows him in a variety of typical play antics with a young monkey friend and narrowly but safely avoiding trouble with an unfriendly snake. (P-I)

One reel, 11 minutes
Rental, \$2.00

RING OF STEEL (OWI)

American soldiers are pictured as they are now, carrying on the traditions of past accomplishment. This patriotic film shows scenes of battlegrounds famous in American history and outlines the part the American

soldier has played in the growth of the Nation. Commentary by Spencer Tracy. (J-H-C)

One reel, 10 minutes
Handling charge, \$1.50

RINK, THE (BRF)

Presents Charlie Chaplin as a waiter who spends his lunch hour at the roller rink. Shows Charlie's agility and grace as he spins gracefully around saving one lady and causing others to tumble. Includes outstanding actors Edna Purviance, James T. Kelly, Eric Cambell and others. (General)

One reel (800 feet), 20 minutes
Rental, \$4.00

RISE AND FALL OF NAZI GERMANY (MOT)

Beginning with the Saar plebiscite in 1935, the film shows how, in carrying out the evil doctrines first enunciated in the Nazi bible, "Mein Kampf," Hitler led the Third Reich to domination over 15 countries. And how the Nazi timetable of conquest was overturned only when the U.S., Britain and their Allies joined forces, bringing about the unconditional surrender of Nazi Germany on May 8, 1945.

The remaking of Germany into a self-supporting nation is a huge job of rehabilitation, and the film emphasizes the importance of training wisely those who were too young to have been corrupted by Nazism. (H-C)

One reel (800 feet), 18 minutes
Rental, \$2.25

RIVER, THE (USDA)

The first section of this film shows shots of wooded mountain tops, the Rockies in the West and the Alleghenies in the East. Then the story of the Mississippi itself begins dealing with various stages of the river's history beginning with pre-Civil war days. The third large section of the film shows the results of the heedless and planless exploitation of the rich river valley. There are scenes of the ill-clad, ill-housed people who live in this rich river valley. The final sequence discusses reconstruction and conservation. (J-H-C)

One reel (1200 feet), 30 minutes
Rental, \$2.50

RIVERS OF THE PACIFIC SLOPE (C)

The story of these three river systems—the Columbia, the Sacramento and San Joaquin, and the Colorado—is the story of the uses to which man has put these three Pacific slope rivers, adapting them to the special needs of the territory. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

ROAD TO BERLIN (OWI)

A Nazi submarine "wolf pack" racing to intercept a convoy carrying urgently needed supplies and the race

against time by those who handle these supplies furnish the dramatic elements. (General)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

ROAD TO GASPE (NFBC)

American youth hostellers explore the picturesque Gaspé peninsula. Historic Quebec provides a jumping-off place for cyclists making this inexpensive tour of this part of Canada. After a visit to Cap des Rosiers lighthouse, they explore the country, the fisheries, famous Perce Rock, and Bonaventure Island, alive with sea birds. On a trip to the fishing ground, the hostellers see the colorful ceremony of the blessing of the fleet. (Color) (General)

One reel, 11 minutes
Handling charge, \$1.00

ROADS SOUTH (OIAA)

Is an excellent study in contrast between primitive and ultra-modern types of transportation as they exist in the Latin Americas. The natural geographic obstacles to the development of an adequate transportation system and the effect thereon upon the development of the economic and industrial life of those countries is vividly portrayed. Strong emphasis is given to the air-mindedness of South America. This is an excellent film for use in the study of transportation or of international relationship. (J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

ROBIN (HNP)

Instructive and amusing story of the life of our commonest thrush presented in authentic color and song. (Color) (I-J-H)

One reel, 10 minutes
Rental, \$3.00

ROBIN RED BREAST (EB)

This is a complete dramatic story of a robin family, from the time father and mother robin build their nest until the baby robins are old enough to take care of themselves. The story begins in early spring. Father and mother robin are shown gathering materials for the nest. After the nest is completed and mother robin has laid her eggs, father robin helps to keep the eggs warm, and feeds the mother on the nest. The development of the young in the nest is fascinating to watch. During this period, the story alternates between comedy and tragedy. A wandering cat is chased away by the parent birds. The calls and notes of the birds enhance the charm of the film. (P-I)

One reel, 11 minutes
Rental, \$2.00

ROBINSON CRUSOE MICKEY (HFE)

Mickey Mouse encounters cannibals in his role of Robinson Crusoe. (General)

One reel, 11 minutes
Rental, \$1.25

ROCKY MOUNTAIN TROUT (NFBC)

This is about fish and fishing in the Canadian National Parks. Fishermen find the lakes and streams of Canada well stocked with trout, and no wonder, since the government maintains fish hatcheries and scientific surveys to investigate fish life and make certain that the waters of Canada are well filled with healthy, large-sized trout. The film shows fishermen in action, and the functioning of the hatcheries in providing ample fish for the sport of Canadian National Park tourists. (Color) (General)

One reel (800 feet), 13 minutes
Handling charge, \$1.00

ROLE PLAYING IN HUMAN RELATIONS (NEA)

Demonstrates, within a group, the spontaneous enactment of human relations situations as an educational method—how discussion after a role-playing scene helps a committee learn ways in which it might have worked together better as a group, how to use the “soliloquy” or the “commentator” as ways of uncovering and understanding interpersonal relationships with a group, how to make the best use of a resource person, and how to gain confidence in human relations skills by first using role-playing as a practice method. Also develops the skills required to use role-playing—how to take an inventory of problems, how to select one problem upon which the group agrees to work, how to find a real-life example of the problem, how to set up, get under way, and stop a role-playing scene demonstrating the problem, and how to lead the discussion after the role-playing. (C-A)

One reel (800 feet), 25 minutes
Rental, \$4.00

ROMANCE OF LOUISIANA

(TFC, Restricted to Classroom Use)

Is the story of the Louisiana Purchase.

Jefferson's congress passes a bill to purchase Louisiana at a price not to exceed two million dollars. But before leaving for France, Monroe is secretly advised that he may go to ten million.

Monroe sails for France to deal with Napoleon, who needs money to wage war against England. The deal is finally closed for fifteen million; ratification takes place December 20, 1803. We see the ceremonies in New Orleans as the French officials retire. Though parts of the story may have been fictionized, on the whole it presents an accurate picture of the motives impelling France to agree to the sale. (Color) (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$5.00

ROMANCE OF RADIUM

(TFC, Restricted to Classroom Use)

In Paris, over 40 years ago, a man named Becquerel experiments with stones that have been exposed to the light. He attempts to capture on sensitized copper

plates any rays which might be thrown off from them. Failing, he throws them in a drawer. Later he discovers that the plate on which a pitchblende stone has been resting shows results. After further experiments he enlists the aid of the Curies who isolate the potent substance from the pitchblende. By accident they learn that further purification increases the potency of the substance.

Becquerel takes it to London to show scientists there and becomes ill from association with it. When he suddenly regains his health, it is discovered that radium has curative as well as destructive properties.

We see the dramatic discovery of pitchblende deposits in the Belgian Congo. White men discover that natives have buried a badly wounded boy up to his neck in mud. They are amazed to find this works a magic cure. Analysis of the mud reveals pitchblende richer than any known until now.

The commentator gives informative data regarding radium and present-day sources of pitchblende. We see a close-up of the glow from a pellet of radium. (J-H-C)

One reel, 11 minutes
Rental, \$2.25

ROME — CRADLE OF CHRISTIANITY (ICS)

Ancient and modern glories of this immortal city are shown in this subject. Among these are Hadrian's tomb, the ancient Capitol, Marcus Aurelius' statue, the Colosseum, St. Peter's, New Mussolini Forum, Trevi Fountain, and excavated masterpieces of ancient empire. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

ROME — ETERNAL CITY (EB)

Concentrating primarily on extant ruins, statuary, architecture and the art preserved in St. Peters, this film highlights important aspects of the significance of Rome through the ages. An original musical score contributes to mood and atmosphere in keeping with the overall interpretive quality of the film. Technicolor photography achieves a richness of presentation which is essential to the theme. The film might be described as a "camera portrait" of the past and present glory of Rome. (Color) (J-H-A)

One reel, 11 minutes
Rental, \$3.00

ROMEO AND JULIET

(TFC, Restricted to Classroom Use)

Is a classroom version edited from the feature picture produced by Metro-Goldwyn-Mayer in 1936. This edition limits itself to those sequences which deal directly with the love story of Romeo and Juliet from the time the two families, the Montagues and Capulets, enter the cathedral in Verona, through the first meeting of Romeo and Juliet at the Capulet ball, through the final scenes at Juliet's tomb. All the leading charac-

ters are shown sufficiently to establish their proper role in the play and most of the well-known classic lines have been included. Leslie Howard plays Romeo and Norma Shearer is Juliet. (J-H-C)

One reel (1600 feet), 40 minutes
Rental, \$5.00

ROOTS OF PLANTS (EB)

The various forms of plant roots are first presented. Then time-lapse and microphotography are employed frequently in the remainder of the picture to bring out the interesting processes of growth, structure and other characteristics. The functions of the root-cap and the root-hairs are vividly presented. An experiment in osmosis is demonstrated and carefully explained, followed by animation of water absorption by the roots. (H-C)

One reel, 11 minutes
Rental, \$2.00

ROSAMUNDE (OF)

Overture by National Philharmonic Orchestra. Camera moves from place to place showing the work of the director, various instrument groups and individual players. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

ROUGH FACING, TURNING AND DRILLING ON THE VERTICAL TURRET LATHE (USOE)

The operations used in rough facing, rough turning, and drilling an aluminum casting held in the chuck jaws of a vertical turret lathe are demonstrated. The table with its combination chuck, and the main turret head are demonstrated while machining a rough aluminum casting. Centering the casting on the table, tooling the vertical head for facing, turning and drilling, are shown in detail. The clutch, the vertical and horizontal traverse and feeds, the index dials with their reference clips, and the transmission levers are shown and their function demonstrated. The necessity for safety in dress and work, checking the lubrication system of the machine, and for keeping work and table free from dirt and burns is emphasized. (H-C)

One reel (1200 feet), 33 minutes
Rental, \$2.50

ROUND TRIP (IFB)

This is a warm, human portrayal of America's stake in world trade. It is shown how this trade contributes to higher standards of living and to peaceful relations with other countries. (General)

One reel (800 feet), 20 minutes
Rental, \$2.50

RUBY-THROATED HUMMINGBIRD (C)

Shows tiny unhatched egg and just hatched bird and many other events in the life of this small, fast-moving bird. (Color) (General)

One reel, 10 minutes
Rental, \$3.00

RUMPELSTILTSKIN (C)

Employs delightful puppets created especially for films to present an unusual version of this well-known fable of the strange little man who lost his temper. Teaches that "we lose ourselves" when we lose our temper. Other fantasies in this series are: Cow and the Sprite, Honest Woodsman, The Legend of the Pied Piper, King Midas and the Golden Touch. (General)

One reel, 11 minutes
Rental, \$2.00

RURAL ENGLAND

(TFC, Restricted to Classroom Use)

A picture of an English countryside which shows life in a rural village. (J-H-C)

One reel, 9 minutes
Rental, \$2.25

RURAL LIFE OF MEXICO (C)

Camera scenes from deep in rural Mexico of primitive agricultural practices, home life, costumes, and traditional dancing. (Color) (General)

One reel, 10 minutes
Rental, \$3.00

SACRIFICE OF ISAAC (HFE)

It tells that Abram has a vision telling him to offer his first-born son on the altar. This is a custom abhorrent to him, but his absolute belief in God leads him to follow the vision. When the sacrifice is about to be made, the Lord indicates that Abram is to sacrifice a goat instead. (C-A)

One reel, 11 minutes
Rental, \$3.50

SAFE DAY, A (JH)

Deals with the case of Bill Jones, a workman, with a great safety record. We see him setting good examples for safety throughout his whole day — in everything he does. His safety record is not based on luck, but on constant thinking about safety. In this picture — with its unusual story — Bill Jones takes on many jobs and comes through them all without injury because he lives a safe day. This is an excellent way to establish safety practices through example. (H-C)

One reel, 11 minutes
Rental, \$2.00

SAFE LIVING AT SCHOOL (C)

Ted and Ruth are elected to the Junior Safety Council. We go with them on a "safety tour" to see the safety features of their school and to learn what students can do at school to live safely. With emphasis on three basic safe living principles: courtesy, good housekeeping, skillful and correct actions. (P-I-J)

One reel, 10 minutes
Rental, \$2.00

SAFE USE OF TOOLS (C)

Designed to help teach children the safe handling of ordinary tools, such as scissors, knives, hammers, saws, files and similar tools in the home and elsewhere. (P-I-J)

One reel, 10 minutes
Rental, \$1.50

SAFETY IN THE CHEMISTRY LABORATORY (IU)

Presents basic safety rules as high school students perform simple experiments. The use of laboratory aprons, safety goggles, and the laboratory manual is shown and explained. Also pictured in this sequence are such safety measures as the necessity for following directions, reading carefully the labels on bottles, the use of a fume hood, and the avoidance of tasting chemicals. (H-C)

One reel (800 feet), 15 minutes
Rental, \$3.00

SAFETY IN THE HOME (EB)

Was designed to show the importance of safety in the home. A dramatization showing how the Davises, an average American family, carry out a safety program in the home. Every object has its place; junior hands knife with blade away from receiver; handrail placed by stairs; rubber toys chosen for safety; nonslip material under rugs; metal screen is put before the fireplace; light switch situated near doorway; rubber mats and handholds for the bathtub; medicine cabinet placed out of reach of children; safety can opener in the kitchen; cracked and chipped dishes and glassware are thrown away. The commentator closes with the statement: "The home should be a haven of safety." (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

SAFETY ON THE HIGHWAY (ASFL)

Covers the writing and results of an article entitled "And Sudden Death." A journalist and feature writer is hunting a story that will impress upon the motoring public the dangers of careless driving. Scenes follow of this writer getting firsthand reports of accidents by interviewing cops, nurses, doctors, ambulance drivers, wrecking crews, and morgue attendants. He writes an article describing only a few accidents but those that face the reader with the actual horror of what a motor

accident may mean. Insurance companies reprint the article and distribute it free by the millions to motorists through gasoline stations. Policemen hand reprints to motorists when they stop for traffic lights or for toll bridges. (I-J-H-C)

One reel, 5 minutes
Rental, \$1.50

SAFETY TO AND FROM SCHOOL (YA)

How and where to cross the street safely is explained. A class practices crossing streets in a blocked off area with simulated traffic conditions and two children cross alone where they must rely on their own observation. (P)

One reel, 10 minutes
Rental, \$2.00

SAILING IN CANADA (NFBC)

The thrill of sailing as it is enjoyed in Canadian waters from the Atlantic to the Strait of Georgia. To the rollicking accompaniment of sea chanteys, the film takes us cruising up the St. Lawrence, on the Great Lakes, in Muskoka waters, on Lake Winnipeg and off Canada's Pacific coast. Popular types of sailboats are shown in action, and we catch glimpses of famous races. (Color) (General)

One reel, 11 minutes
Handling charge, \$1.00

SALMON STORY (EB)

After portraying basic stages in the life cycle of the salmon, the film calls attention to the steps that are taken by modern fish hatcheries to insure a continuing supply of this important food fish. Various methods of catching salmon, both traditional and modern, are shown — the "purse seine" method is featured as the one most commonly in use today. Following the catch from the sea to the cannery, the film depicts canning operations including cleaning, scaling, removing of heads, canning, cooking, and final preparation for shipment. (P-I)

One reel, 11 minutes
Rental, \$3.00

SAMPAN FAMILY (BFS)

Presents the story of families who live and make their living aboard the small Chinese river boats known as sampans. Pictures the Ling family as they work together doing fishing activities, housekeeping chores, preparation of food, sewing of children's clothing, drying of nets and the rowing of the boat to the night's anchorage. (J-H-C-A)

One reel (800 feet), 16 minutes
Rental, \$5.00

SAN FRANCISCO (RKO)

The cosmopolitan character of the far west metropolis is shown in all of its fascinating detail. (General)

One reel (800 feet), 18 minutes
Rental, \$2.50

SAND AND FLAME (USBM)

Shows how sand is transformed into glass of a number of different shapes and kinds. A sequence touches on the development of glass making and the art of the early glass blower. The greater part of the picture is devoted to picturization and voice description of the manufacture of glass articles in common use today. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$2.00

SANDY STEPS OUT (SF)

This was selected by Film News as the outstanding children's film of the year. It is a nature study film, designed to familiarize children with chickens, ducks, lambs and other animals of the farm and countryside. It is a particularly good film for youngsters who seldom see country or farm life. (P-I)

One reel, 10 minutes
Rental, \$2.00

SANTA IN ANIMAL LAND (Castle)

The animals are grieved because there is no Santa for the animals. Two of them go to find Santa. Santa appoints Kitty Cat as Santa for animals. Kitty comes down the chimney with presents for all the animals and they are happy to find that there is a Santa for animals. (P)

One reel, 10 minutes
Rental, \$2.50 (one day)

SANTA CLAUS PUNCH AND JUDY (Castle)

A special Christmas version of the puppet classic with Santa Claus as the master of ceremonies. (General)

One reel, 11 minutes
Rental, \$2.50 (one day)

SAO PAULO (OIAA)

An interesting study of progress in Brazil's second largest city, one of the fastest growing cities in the world, is pictured. Here we see a cross-section of the modern South America with its busy industry, its growing commerce, its beauty of art and architecture, and its up-to-date trends in education. (J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

SAVE THAT SOIL (API)

Depicts the early South, the results of the one-crop system, and the reclamation and conservation of Southern soils through the use of legumes and modern methods of soil management. (Color) (H-C-A)

One reel (1200 feet), 28 minutes
Transportation charges

SAVE THE SOIL (USDA)

A good general presentation of the problem of soil conservation. (H-C)
 One reel, 11 minutes
 Rental, \$1.00

SAVE THOSE TEETH (EB)

Emphasizes the importance of proper cleansing in the care of teeth, and illustrates how the teeth are affected by excessive use of refined sugar. Identifies the kind of bacteria that change sugar to acid in the mouth. Demonstrates the use of fluoride solution in the prevention of tooth decay and prescribes specific rules to be followed in the care of teeth. (P-I-J)

One reel, 10 minutes
 Rental, \$2.00

SAVING THE GARDEN CROP (USDA)

In the opening scenes of this film, we find Mother and Father, Judy and Jimmy deep in the study of seed catalogs, preparatory to planting their victory garden. The picture then passes quickly to the happy harvest time and takes up how the produce is stored for use during the winter months. (J-H-C)

One reel, 11 minutes
 Rental, \$1.00

SAWDUST SIDELIGHTS

(TFC, Restricted to Classroom Use)

These are scenes at Ringling Brothers-Barnum and Bailey Circus winter quarters at Sarasota, Florida.

With the approach of spring, the trucks that transport the animals are given new coats of paint, their decorations and wheels freshly trimmed and striped. Animals are trained for their acts.

Performers rehearse on slack wire and trapeze. We see close-ups of attendants sawing and filing the toes of the elephants. The scene shifts to the railroad yards in a Pennsylvania town. The circus is unloading for a one-day stand. The wagons pass through the streets. We hear the barker's cries, are shown the circus tents, ready to receive the public. (P-I-J)

One reel, 10 minutes
 Rental, \$2.25

SCANDINAVIA: NORWAY, SWEDEN, DENMARK (EB)

Portrays the Scandinavian countries as an important region of northern Europe and illustrates their distinctive way of life. Shows ways in which the physical geography of the region influences the economic activities of the people. Illustrates typical features of the daily lives of three representative Scandinavians: a Norwegian ship's officer, a Danish farmer, and a Swedish shipyard worker. Depicts ways in which they have succeeded in wresting a modest prosperity from a region of relatively limited natural resources and

suggests some of the contributions which the Scandinavian people have made to the world. (J-H-A)

One reel (800 feet), 16 minutes
 Rental, \$3.00

SCHOOL BUS SAFETY (VDE)

Shows school bus operation and maintenance, emphasizing the correct use of school bus safety patrols. (P-I-J-H)

One reel (800 feet), 22 minutes
 Rental, \$3.50

SCHOOL DAYS OF JAPAN (ASFL)

Vocational training, physical culture, and eradication of illiteracy are the aims of schools in Japan. This film takes us on a short inspection tour of small and large schools both in agricultural, fishing, and industrial centers. The customs and religion of the Japanese people are reflected in this school film. (I-J-H-C)

One reel, 10 minutes
 Handling charge, \$2.00

SCHOOL IN CENTERVILLE (NEA)

Shows how education in rural schools can be geared to the problems of learning to live in the community. Seventh grade classes are seen in action at a model school in rural Virginia. Students are at work on projects which relate both to their need for knowledge and to the future roles they will take in the community they live in. The three R's aren't neglected but are integrated into meaningful study and activity. (C-A)

One reel (800 feet), 20 minutes
 Rental, \$3.50

SCHOOL IN COLOGNE (BIS)

German children are going back to school. Despite overcrowding and lack of equipment and teachers, the schools in the British Occupation Zone are open and doing as good a job as possible. Conditions depicted here are typical of both British and U.S. Zones in Germany. In this film a young German child tells what is being done to help under such apparent difficulties. (H-C)

One reel (800 feet), 15 minutes
 Rental, \$3.00

SCHOOLS OF MEXICO (C)

A film view of educational institutions from the modern Ministry of Education in Mexico City to remote one-room adobe schools in the rural interior. (Color) (H-C)

One reel, 10 minutes
 Rental, \$4.00

SCHOOLS TO THE SOUTH (OIAA)

An inside view of the Latin American schools is seen in this film. It shows how anxious they are to improve their educational system. (J-H-C)

One reel, 11 minutes
 Handling charge, \$2.00

SCHUMANN STORY — SONG OF LOVE

(TFC, Restricted to Classroom Use)

The heartwarming story of Robert Schumann's immortal compositions and the devotion of Clara, his wife, is told in this excerpt from the feature photoplay.

Although Schumann won limited recognition in his lifetime as evidenced in the film by the approval of Liszt, his contemporary, and Brahms, his pupil, he had to struggle to support his large family. Despite his objections, Clara resumes her concert career, aiding him financially and enabling him to devote himself to his composition.

In her concerts she plays numerous selections from his works including "Traumerei," "Dedication," and "Carnivale."

As conditions improve for the Schumanns, the mental illness, which beclouded the close of Robert's life, afflicts him. Following his death, Clara dedicates herself to winning recognition of his genius. (H-C-A)

One reel (1200 feet), 33 minutes
Rental, \$3.50

SCIENCE AND AGRICULTURE (EB)

Reveals the interdependence of science and agriculture in modern life. It describes the soybean's characteristics and problems of its cultivation and harvest. Preparation and use of soybean by-products in home and industry are treated. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SCIENCE AND SUPERSTITION (C)

A changing point of view in the philosophy of science education is reflected in this film. It is intended to teach pupils how to use the scientific method in thinking. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

SCIENCE AND WOOD UTILIZATION (C)

How research in the Forest Products Laboratory is helping conserve our forest products and finding uses for wood wastes. (Color) (J-H-C)

One reel, 5 minutes
Rental, \$1.50

SCIENCE SPINS A YARN (AVC)

Indicates how the expansion of any industry has important effects on purchasing habits, employment, and other fields of human endeavor. As rayon is used in more types of fabric than any other fiber, information about our first man-made fiber and the rayon industry has broad interest. Dramatized historical scenes are effectively interwoven into the theme which is laid in a modern research laboratory. (Color) (H-C-A)

One reel (1200 feet), 23 minutes
Rental, \$1.00

SCOTLAND: BACKGROUND OF LITERATURE

(C)

Helps students understand that rugged country so they can better appreciate the spirit that springs from the land — Scotland's proud, impetuous romanticism — the inspiration of men like Scott, Burns, Stevenson, and Daniel Defoe. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SCOTTISH UNIVERSITIES (BIS)

For five centuries, St. Andrew's, Glasgow, Aberdeen, and Edinburgh have served the youth of Scotland and of the world. The film tells the story of the foundation and growth of these universities, and surveys the current problems of maintaining a very high standard of learning in spite of heavy overcrowding. (C-A)

One reel (800 feet), 22 minutes
Rental, \$2.50

SCOUT TRAIL TO CITIZENSHIP (BSA)

Portrays scouting with the boy from nine to Senior scouting, and carries the program into the home, the farm, the city, the school, industry and the church. The advancement program is represented by a Boy Scout climbing a hill trailing the Eagle. The picture is recommended for introduction to the future of scouting. (I-J-C)

One reel (800 feet), 24 minutes
Rental, \$2.50

SCREEN ACTORS (MGM)

Contains no acting — presents the screen actors as individuals, as property owners, as tax payers, and as citizens of the picture-making community called Hollywood. They are seen in their homes living their private lives and meeting the problems of everyday life. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.50

SEA, THE (TFC, Restricted to Classroom Use)

Shell-less marine worms crawl among the marine plants, their prominent gills projecting from the tops of their bodies. Crabs, bearing plant camouflage, creep about. One of them tears off a piece of its plant disguise and eats it. Sea anemones open and close their tentacles. One stings a small eel and uses all its tentacles to push its prey into its stomach for digestion.

Sea urchins appear, and a hermit crab hunts for a new shell, trying to fit himself into several before finding one that suits. Barnacles wave their tentacles in an endless effort to seep food into their mouths. An octopus escapes from a crab by clouding the water with an inky material as it moves swiftly away. (I-J-H)

One reel, 11 minutes
Rental, \$2.25

SEAPORTS OF THE PACIFIC COAST (C)

The film takes its audience on an exciting tour of the bustling activity in San Francisco, the ports of Puget Sound, San Diego, Los Angeles and Portland. (I-J-H-C)

One reel, 11 minutes

Rental, \$2.00

SEARCH FOR SECURITY (ILI)

Traces the origin and development of life insurance from the insuring of ship captains against death during a voyage or capture by pirates. Animated sequences explain the operation of modern life insurance, showing what happens to policyholders' premium payments. Dramatizations show the versatility of life insurance in meeting various individual and family needs. (General)

One reel (800 feet), 17 minutes

Handling charge, \$1.00

SEARCHLIGHT ON THE NATIONS (FON)

A picture of the role modern communications—press, radio, films and television—is playing in world affairs, especially in the work of the United Nations, and the ways in which communications can be used to spread knowledge essential to the peace and welfare of the world. (General)

One reel (800 feet), 20 minutes

Rental, \$2.50

SEASIDE HOLIDAY (NFBC)

A corner of colorful Prince Edward Island, set aside for a National Park, holds holiday jobs for all ages. Sportsmen and women ride, fish, play golf, and tennis, while over the dunes lie the park's 25 miles of fine sea beaches. There adults and children bathe in the amazingly warm water—or just bathe in the sun, agreeing with explorer Jacques Cartier's description of Prince Edward Island—"The fairest land it may be possible to see." (Color) (General)

One reel, 10 minutes

Handling charge, \$1.00

SEASONAL CHANGES IN TREES (C)

Is an excellent introduction to scientific study of trees, a rich background for reading and language activities about trees, and a basis for many study activities, including supervised field trips. Classification, seasonal aspects, and careful observation are stressed throughout. (Color) (I-J-H)

One reel, 11 minutes

Rental, \$3.00

SECRET OF THE FJORD

(TFC, Restricted to Classroom Use)

This film was made by Father Hubbard during an expedition in Alaska. They discover huge glaciers by following the Fjord. (J-H-C)

One reel, 11 minutes

Rental, \$2.25

SECRETARY TAKES DICTATION, THE (C)

The procedures and practices in taking dictation in a modern office, including the handling of rush items, telegrams, office memos, corrections and insertions are shown. (H-C)

One reel, 11 minutes

Rental, \$2.00

SECRETARY TRANSCRIBES, THE (C)

The details of transcribing in a business office, emphasizing habits beyond knowledge of shorthand and typing which differentiate a good secretary from a stenographer are shown. (H-C)

One reel, 11 minutes

Rental, \$2.00

SECRETARY'S DAY, THE (C)

The daily activities of a secretary are compared with those of a stenographer to show the added responsibilities and duties; handling callers, appointments, telephone calls, filing and many other details of office procedure. (H-C)

One reel, 11 minutes

Rental, \$2.00

SECTIONAL VIEWS AND PROJECTIONS, FINISH MARKS (USOE)

Shows the different types of lines—dimensions, center, cross section, and object; the projection of a sectional view; the locations and uses of finish marks; and the meanings of standard cross-section lines denoting types of materials. (C)

One reel (800 feet), 15 minutes

Rental, \$2.50

SECTIONS (McGH)

Some objects have important interior details which may show as a confused mass of dotted lines on the regular exterior views. The remedy for this is the sectional view, formed by the imaginary cutting away of part of the object to reveal interior details and make it easier to read the drawing. The film goes on to explain various symbols used in sectioning—section lining, cutting plane lines, directional arrows and reference letters. The construction of a full sectional view is demonstrated. (For other titles in this series see Auxiliary Views Part I.) (H-C)

One reel, 10 minutes

Rental, \$2.00

SECTIONS AND CONVENTIONS (McGH)

Film indicates that on regular exterior views important interior details of an object may often show as a confused mass of dotted lines, and demonstrates that the sectional view is the remedy. Conventional principles and practices always followed in constructing sectional views are described, as well as conventions followed in special instances such as drawing a hand-

wheel, or sectional views of drilled flanges, ribs, and webs. (For other titles in this series see According to Plan: Introduction to Engineering Drawing.) (C)

One reel (800 feet), 15 minutes
Rental, \$3.00

SEE BETTER: HEALTHY EYES (C)

How can we take care of our eyes? Why should we take care of them? In answering these two basic questions, this film explains the general structure of the eyes, the important health and safety practices relating to eye care, and the common ways to treat disorders of vision. (P-I)

One reel, 11 minutes
Rental, \$2.00

SEED DISPERSAL (EB)

Presents many interesting ways by which seeds of plants are scattered in order to insure the propagation of the species. The methods illustrated include dispersal by the wind, transportation by animals, and forceful propulsion from the seedcase. The dramatic value of these examples is increased by the use of time-lapse photography. Attention is given to the germination of seeds under various conditions. The struggle for survival in the plant world is vividly portrayed. (I-C)

One reel, 11 minutes
Rental, \$2.00

SEEDS OF DESTRUCTION (EB)

An ominous film conveying the message of urgency and need for conservation of our resources, reveals with thundering intensity the results if any of the links in the chain are broken. Unscientific lumbering processes, devastating forest fires, uncontrolled wind or water erosion, overworked land and roaring floods are shown as the awesome implements which can destroy our world unless man acts in time. (For other titles in this series see Arteries of Life.) (Color) (J-H)

One reel, 11 minutes
Rental, \$3.00

SEEING EYE, THE

(TFC, Restricted to Classroom Use)

The story of the work done at Morristown, N. J., where German sheep dogs are trained to lead the blind.

The dogs are bred on the farm and we see the pups that show the best dispositions and highest intelligence being selected for training. We hear that they are trained to be alert, to avoid obstacles, to walk safely through traffic, and to ignore distractions.

A blind man arrives at the farm. A dog is selected for him, and they are given training together. There are scenes showing blind men busy at various vocations, their faithful dogs with them. (P-I-J)

One reel, 11 minutes
Rental, \$2.25

SEEING THE UNIVERSE (UW)

The Ptolemaic and Copernican theories of the universe are compared. The solar family is explained. Phases of Venus, parade of seasons on Mars, giant Jupiter and its moons, in motion, changing aspects of ringed Saturn and Halley's and Brooks' comets are shown. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SELECTION OF DIMENSIONS (McGH)

Principles governing choice of dimensions are introduced and shown to be based on two factors: (1) functional characteristics of the object including consideration of accuracy demanded, and relationship of the portion to other elements of the unit or machine, and (2) manufacturing methods used in making the object. (For other titles in this series see According to Plan: Introduction to Engineering Drawing.) (C)

One reel (800 feet), 18 minutes
Rental, \$2.50

SELLING AMERICA (JH)

Certain principles practiced by Benjamin Franklin and applied to modern day selling are dramatically presented in this film. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$2.50

SEMINOLES OF THE EVERGLADES (AS)

This film tells the story of the Seminole Indians, who sought seclusion and independence in Florida's swampy everglades, and who now are being forced into a new world and a new way of life. Other films in this series are: Miracle on the Mesa and Pueblo Heritage. (Color) (General)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

SENDING RADIO MESSAGES (EB)

The basic principles of radio transmission are shown by animated drawings. The operation of the microphone, transformer, and the modulator, is graphically explained. Fundamental concepts such as sound waves, direct currents, alternating currents, voice current, carrier wave, and amplification are explained. Photographic scenes are used to reveal the importance of radio and to illustrate operating units in a modern transmission station. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SENSITIVITY OF PLANTS (NA)

Simple laboratory experiments reveal the sensitivity of plants to be no less than human sensitivity to outward stimuli. Plants are subjected to electric shock, carbon dioxide, heat, gravity, light, ether and reactions

are visualized by means of time-lapse photography and the high speed lens. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.25

SERIES AND PARALLEL CIRCUITS (EB)

Clarifies, with simple demonstrations, the relationships between resistance, current, and electromotive force, in series circuits and in parallel circuits. Illustrates these relationships by computing resistance of a toaster and a lamp, and amperage of a soldering iron. Demonstrates clearly the advantages and disadvantages of both types of circuits. Describes a simple series-parallel combination and offers appropriate examples. (J-H)

One reel, 10 minutes
Rental, \$2.00

SERVANT OF THE PEOPLE

(TFC, Restricted to Classroom Use)

The story of the making of the American constitution. The film begins by depicting the confusion that arose under the Articles of Confederation: scenes show the Vermont farmers being stopped at the Massachusetts state line and people in New York refusing Rhode Island money. Washington, Hamilton, and Madison discuss the seriousness of the situation. The ensuing Constitutional Convention is accurately depicted, with the various arguments and agreements during its course. The Virginia plan and the New Jersey plan are presented from the floor. Arguments arise over the slavery question. Benjamin Franklin helps to bring about a compromise. Finally the first signers are shown putting their names to the Constitution.

An excellent account of the Continental Congress. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$3.50

SEVEN LITTLE DUCKS (BFS)

Shows how Carol, a six-year-old girl, helps to care for a family of Muscovy ducks which she keeps as pets in her back yard. Simple methods of feeding, watering, housing and fencing in for protection are demonstrated. (P-I)

One reel, 11 minutes
Rental, \$2.00

SEWING: ADVANCED SEAMS (YA)

Demonstrates construction of French, slot, flat fell, welt, tucked, and piped seams. (H-C)

One reel, 11 minutes
Rental, \$2.00

SEWING: CHARACTERISTICS AND HANDLING OF MATERIALS (YA)

Explains the uses of various materials in specific clothing problems, and an essential understanding of fabrics. (H-C)

One reel, 10 minutes
Rental, \$2.00

SEWING FUNDAMENTALS (YA)

Demonstrates and explains the function and use of some of the fundamental tools used in sewing—needles, thimbles, measuring gauges, pressing tools, etc. (H-C)

One reel, 10 minutes
Rental, \$2.00

SEWING: PATTERN INTERPRETATION (YA)

Explains how the seamstress interprets the important marks and symbols on dressmaking patterns, in terms applied to McCall, Simplicity, Butterick, and Vogue patterns. (H-C)

One reel, 10 minutes
Rental, \$2.00

SEWING: SIMPLE SEAMS (YA)

Demonstrates construction of plain seams, with edges pinked, edges overcast, stitched, bound, catch-stitched, and top-stitched. (H-C)

One reel, 10 minutes
Rental, \$2.00

SEWING: SLIDE FASTENERS (YA)

Clearly explains the step-by-step procedure used in fitting and sewing a slide fastener into a blouse, a skirt, and a dress. (H-C)

One reel, 10 minutes
Rental, \$2.00

SHAPE DESCRIPTION PART I (McGH)

The film begins by demonstrating the inadequacy of a written or spoken description, or of a perspective sketch, when the designer of an object wants to tell others exactly how to build it. The only accurate method of conveying this information is to make several drawings showing how the object looks from different points of view. The film then describes orthographic projection, utilizing a combination of animated diagrams and animated photography of specially prepared models to provide unusual three-dimensional effects. (For other titles in this series see Auxiliary Views Part I.) (H-C)

One reel, 11 minutes
Rental, \$2.00

SHAPE DESCRIPTION PART II (McGH)

The step-by-step procedure of constructing a drawing is demonstrated, and reasons for each step are explained. The film follows through on one drawing and establishes certain principles of procedure which the student can apply in making drawings of his own. In conclusion, the film stresses the importance of clarity, accuracy, and readability in all drawings. (For other titles in this series see Auxiliary Views Part I.) (H-C)

One reel, 8 minutes
Rental, \$2.00

SHARING ECONOMIC RISKS (C)

Insurance is defined and illustrated. Bill, a high school boy, loses his bike through theft. This loss illustrates the economic risks which all people face, and ensuing action illustrates aspects of property and life insurance, and the principle of sharing economic risks. This is an especially effective film for use in the social studies and business education. (J-H)

One reel, 11 minutes
Rental, \$2.00

SHARING WORK AT HOME (C)

Shows the importance of cooperation to happy family life and the steps toward improved family living. It is a picture for home economics, language arts, social studies, and all other groups in which family relations are studied. (J-H-A)

One reel, 11 minutes
Rental, \$2.00

SHEEP DOG (EFLA)

Describes a typical day in the life of Tom, a Welsh shepherd; his dog, Scott; and his horse, Topsy. It portrays the dog's efficiency in caring for the flock of sheep and in handling Tom's horse. The film also depicts the intimate relationships between the ewes and their lambs and shows what menaces threaten the security and well-being of the flocks in the mountains and the means for protecting them. (P-I)

One reel, 11 minutes
Rental, \$2.50

SHEEP RANCH COUNTRY — AUSTRALIA (UW)

This film lesson demonstrates that pastoral industries (with sheep dominating) and wheat farming are well suited to semi-arid lands which are sparsely populated and isolated from markets. This principle is shown to apply to Australia, where the economy is dependent upon foreign trade with sheep products, wheat, and flour the most important exports. Because the country is so dependent upon trade, many people live in a few large seaports. Some manufacturing is carried on, based on local raw materials and protected home markets. The film presents the contrast between the mode of life of the people on the sheep ranches with that of the people in the industrial centers where the growing steel and textile industries are being developed. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

SHEEP SHEARING (USOE)

One of a series of films on livestock produced by the United States Office of Education. It shows how to handle sheep for shearing, indicating the relative positions of the shearer and the sheep during each shearing step. The step-by-step procedure in shearing is

demonstrated, as well as the methods of rolling and tying the fleece. (H-C)

One reel (800 feet), 21 minutes
Rental, \$2.00

SHEET METAL WORKER (VGF)

The worker in the general sheet metal shop must have far more knowledge of the vocation than a production line operator, since the work is more varied, involving a thorough knowledge of arithmetic and of angles and skill in the handling of tools. The special qualifications for this job, as well as the opportunities for the utilization of their skills by the trained technician, are shown in this film. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SHELL FISHING (EB)

An overview of the oyster, crab, clam, and lobster fishing industries on the eastern coast of the United States is provided by this production. Preparing the oyster beds, planting, dredging for mature oysters, and their preparation for market make up the oyster sequence. Luring crabs to their nets with baited lines crab fishermen find to be both sport and work. Clam fishermen, under the supervision of conservation agencies, are revealed planting, harvesting, and preparing their crops for market in a manner similar to the methods of the oyster fishermen. Lobstermen, after dumping their catches from baited traps, take the lobsters to nearby factories. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

SHELTER (EB)

Is a pictorial delineation of the major concepts in the evolution of shelter. It shows first, primitive shelter construction, from materials close at hand. It traces man's growing ability to change the form of these materials, and how transportation increased the variety of his supply; finally the high specialization of effort in constructing modern kinds of shelters, each designed for a special purpose. Examples range from the African grass huts and Eskimo igloos to modern skyscrapers, apartment buildings and individual homes. (I-J)

One reel, 11 minutes
Rental, \$2.00

SHEP — THE FARM DOG (EB)

Shows an attractive collie dog during his busy day about the farm. Herding the cows to pasture; routing the chickens from the garden; eating breakfast; pursuing a woodchuck; hiking and swimming are shown. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

SHOOTING IN BASKETBALL (EB)

Stance, action of throw, aim, trajectory, ball control are illustrated in slow motion, animation and normal speed. (J-H-C)

One reel, 10 minutes
Rental, \$2.25

SHOP DRAWING (PART I) (FP)

Introduces the student to the elements of engineering drawing. An explanation of the established practice of drawing the horizontal, vertical, and profile views is given. The various conventions utilized in engineering drawing practice such as correct dimensioning procedure, cross hatching, and sectioning are explained in some detail. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SHOP DRAWING (PART II) (FP)

A description is given of the recognized procedure used for drawing various types of curves and contours. Other symbols used in engineering drawing are presented. The major part of this film, however, is devoted to the important idea that it is the draftsman's responsibility to produce a neat, accurate, and detailed drawing which the machine shop man can readily interpret. The need for providing the machine shop man with the sufficient number of views of the object is stressed. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SHOP PROCEDURES (McGH)

This film shows how finished drawings are used as detailed instructions in every step of manufacturing. From the drafting room, the drawings are seen going to the blueprinting machine to be reproduced by dozens or hundreds and distributed to all those workmen who will have a part in making the finished product. The film then shows many of these workmen at their jobs using blueprints—in the pattern shop, the foundry, the forging shop, the machine shop, and the assembly shop. (For other titles in this series see Auxiliary Views Part I.) (H-C)

One reel (800 feet), 17 minutes
Rental, \$3.00

SHORTEST WAY HOME (GL)

This is a sight-seeing tour of most of the major cities of the country. (Color) (General)

One reel (1600 feet), 40 minutes
Handling charge, \$1.00

SHOWTIME (UWI)

Traces the development of a play from an idea in the author's mind through to the time it's presented on a stage. Especially designed for schools interested in producing their own plays. Useful for clubs, senior

high school and college speech and English classes and for teachers who supervise such activities. (J-H-C-A)

One reel (800 feet), 22 minutes
Rental, \$2.50

SHRINE OF A NATION — WESTMINSTER ABBEY (BIS)

The history of Westminster Abbey is the history of England. Here Parliament once met; here for centuries the Kings and Queens of England have been crowned; and here are buried illustrious Englishmen of all times — sovereigns, statesmen, poets, scientists, musicians. Westminster Abbey is a fine example of early English architecture. Shots include the Coronation of King George VI. (General)

One reel (800 feet), 14 minutes
Rental, \$2.50

SHY GUY (C)

Shyness is a real problem to many adolescents. The film illustrates some methods of overcoming shyness and so is valuable for general use both with adolescent groups, teacher training and parent groups. (J-H-C)

One reel (800 feet), 15 minutes
Rental, \$2.50

SICILY: KEY TO VICTORY (OWI)

The record of the Canadian First Division in the Sicilian campaign. With the aid of animated maps, the advance of the Canadians is shown town by town. The story cuts back to Canada, to the war workers standing behind the army, demonstrating the essential link between war front and home front, which is the real key to victory. (H-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

SIGHT AND SOUND (NFBC)

Shows the use of audio-visual aids and stresses their value in education. The examples given illustrate how (by means of a film) a class of children "jump a continent" to visit Mexico, how a filmstrip on cut-outs stimulates creative activity, and the use of a radio broadcast in a history class. (C-A)

One reel, 11 minutes
Rental, \$2.00

SIGN OF DEPENDABLE CREDIT (USDA)

Gives a picture of how farmers, ranchers, and stockmen may receive financial aid from the Production Credit Association and the plan laid out for repayment. (H-C)

One reel (800 feet), 20 minutes
Rental, \$2.00

SILENT NIGHT, HOLY NIGHT (Castle)

The words of the Christmas hymn appear on the screen for audience participation. (General)

One reel, 5 minutes
Rental, \$2.00 (one day)

SILENT WAR, THE (OIAA)

The story of the war against yellow fever now being waged by scientists in the jungles of Colombia is related in this film. It shows how vaccine is made, dried, frozen, and transported by mule-pack to a town in the jungles of Colombia and how yellow fever is slowly being conquered in equatorial South America. It also describes how this research is making United Nations jungle fighters immune to the dread disease. (J-H-C)

One reel, 10 minutes
Handling charge, \$2.00

SILKS AND SULKIES (NFBC)

The thrill of harness racing on Prince Edward Island, with a glimpse behind the scenes at the training of a colt for this sport. We follow Bellhop's career as a pacer, from his unwilling introduction to harness through trials with a bicycle sulky to his first big race. Climax of the film comes with scenes of this mixed race of trotters and pacers at Charlottetown's Old Home Week. (Color) (General)

One reel, 11 minutes
Handling charge, \$1.00

SILOS FOR GRASS AND LEGUME SILAGES (PCA)

Shows the value of grass silage in producing milk of high Vitamin A content, new machines and methods of harvesting hay for grass silage, construction of both stave and cast-in-place silos. (Color) (H-C-A)

One reel (800 feet), 20 minutes
No charge

SILVER SHADOWS (UW)

A short history of silent motion picture entertainment from the first theatrical use of pictures that move to first newsreel service. Oldtime favorites are presented. (J-H-C-A)

One reel (800 feet), 20 minutes
Rental, \$3.00

SIMILAR TRIANGLES (KB)

Shows properties and practical uses of similar triangles. Demonstrates graphically the "two angles equal" proposition, and suggests applications in new geometric situations. (H-C)

One reel, 11 minutes
Rental, \$2.00

SIMPLE BLOCK PRINTING (GAF)

After a few examples of block printing are shown the entire process of making such a print is demonstrated. The various tools needed are displayed and the work of each clearly shown. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SIMPLE MACHINES (EB)

The basic features of simple machines—the lever, the inclined plane, the wedge, the pulley, and the screw—are shown. Applications of these devices to modern complex machines are demonstrated. Animated diagrams clarify abstract mechanical principles. The evolution of the machine and its part in contemporary civilization is also treated. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SIMPLE STUNTS (C)

The film was produced to meet the expressed needs of physical educators for material for group activities with boys and girls from intermediate through junior high grades. Requiring little or no equipment, stunts demonstrated in the film lend themselves equally well to organized gym classes, clubs or other informal groups or unsupervised play. (I-J)

One reel, 10 minutes
Rental, \$2.00

SINEWS FROM THE SOIL (DL)

Covers the activities of the Civilian Conservation Corps in the Arrowhead of Minnesota. Rare and interesting scenes, accompanied by adequate descriptions of Minnesota's natural resources, make this an outstanding film among the many produced by the Department of the Interior. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SIZE DESCRIPTION (McGH)

Uniformity in dimensioning practice is essential and depends on the observation of certain standards in the use and choice of lines, figures, arrowheads, etc., and in the theory and placement of dimensions. After this has been mastered, the student must be able to choose in each case those dimensions which seem necessary to describe the article accurately, to locate the surfaces and centers for the placement of dimensions and notes. The method for describing complex drawings by breaking them down into simple geometric parts for dimensioning is also shown. (For other films in this series see Auxiliary Views Part I.) (H-C)

One reel (800 feet), 16 minutes
Rental, \$2.50

SKI HOLIDAY (NFBC)

The film shows the beauty of ski country in the Canadian Rockies. Two young ladies are followed through a day of skiing, with their smooth runs and humorous falls, all photographed against the startling beauty of snow-covered mountains and bright skies. (Color) (General)

One reel, 10 minutes
Handling charge, \$1.00

SKI THRILLS (SM)

Thrilling and beautiful color shots of expert skiers enjoying themselves on the high expanses of the Sierra Mountains. (Color) (General)

One reel, 10 minutes
Rental, \$2.50

SLEEP FOR HEALTH (EB)

Presents the importance of regular sleeping habits from the viewpoint of a child. Shows the child how a regular bedtime which allows for sufficient sleep helps him attain goals which he himself desires. Emphasizes the child's own responsibility in the formation of good habits. Considers dreaming as a normal part of sleeping. Graphically illustrates how lack of sleep causes irritability and interferes with the enjoyment of everyday living. (P-I)

One reel, 11 minutes
Rental, \$2.00

SLEEPING BEAUTY (SF)

The story of Sleeping Beauty, the princess bewitched into sleeping for 100 years, until awakened by the kiss of the handsome prince. Acted in pantomime while a narrator tells the story. (P-I)

One reel, 11 minutes
Rental, \$2.00

SLIDE RULE (MULTIPLICATION AND DIVISION) (USOE)

The C and D scales of the slide rule and the use of these scales for multiplication and division are explained in detail. Combinations of the two operations — multiplication and division — are also given. (H-C)

One reel (800 feet), 24 minutes
Rental, \$2.50

SLIDE RULE (PERCENTAGE AND SQUARE ROOTS) (USOE)

Shows how to use the B and C scales of the slide rule to calculate proportions and percentages, calculate squares and square roots. Simple problems are used to illustrate the methods. (H-C)

One reel (800 feet), 20 minutes
Rental, \$2.50

SMOOTH STARTS (JH)

Illustrates the law of inertia as it applies to the problem of starting airplanes, boats, locomotive trains, and automobiles. We see that in the motorcar friction carries the power from the engine to overcome the inertia of the car when starting. The means to apply this friction evenly is supplied by the clutch.

The need for heatproof bases to withstand the heat caused by friction is established, as well as the necessity for a spring to apply the pressure evenly over the entire surface to assure smooth engagement and positive

control. Heat photography is used to show the need for a special clutch ventilating fan. (J-H-C)

One reel, 7 minutes
Rental, \$2.00

SNAKES (C)

A conceptual film which will develop the idea of what a snake is; how it differs from other animals; how it resembles them; and how the snake illustrates nature's principle of adaptation. (Color) (I-J-H)

One reel, 11 minutes
Rental, \$3.00

SNAPPING TURTLES (EB)

Presents the life story of an interesting reptile in its natural habitat. Unusual photographic studies permit observation of the snapping turtle's detailed features, habits, and its encounters with other animal life. The laying of the eggs and the hatching are two outstanding episodes. A painted turtle is introduced for purposes of comparison. The winter hibernation concludes the presentation. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SO THIS IS LONDON (BIS)

A tour of London, with all the historic landmarks and local color — the people and the houses in one of the greatest cities of the world. (General)

One reel (800 feet), 13 minutes
Rental, \$2.25

SOAP (EB)

Explains the nature, manufacture, and cleansing action of soap. Shows how soap is made in a laboratory and a commercial plant. (J-H)

One reel, 11 minutes
Rental, \$2.00

SOCCER FOR GIRLS (C)

Demonstrates the basic skills of soccer in easy-to-learn detail, with close-ups and slow motion, using skilled girl players. Includes the various kinds of traps, dribbles and passes, and their applications to game situations. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SOCIAL COURTESY (C)

It has always been difficult to interest students in ordinary social courtesy. As a result, this film seeks to present both information on specific social "graces" and, at the same time, to make them a natural part of daily activities. Using a unique story development, *Social Courtesy* helps students realize that getting along in social groups is not a tedious process that involves preparation and a great deal of knowledge, but instead is a natural, easy form of behavior that requires only the use of everyday courtesy. (J-H)

One reel, 11 minutes
Rental, \$2.00

SOCIAL DANCING (C)

Approaches the problem of elementary social dance steps (waltz and fox trot), showing couples and individuals in basic box turn, forward pattern, cross-over and under-arm turn, concluding with a quiz-review. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

SOCIAL DEVELOPMENT

See

CHILD DEVELOPMENT: SOCIAL DEVELOPMENT**SOCIAL SECURITY**

(TFC, Restricted to Classroom Use)

Interprets the operation of the Social Security Act from the time of its passage through its various steps to the final payment of checks to the beneficiaries. Registration is explained and illustrated. The operation of the claims division is explained and the procedures for payment are shown. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SOFT PEDAL (JH)

This picture explains the principle of the clutch and shows how we get smooth application of power by means of this device.

The need for a control in the automobile that will let the engine run while the car is standing still is explained, as is necessity for a connection flexible enough to transmit power from the running engine to the shaft which turns the wheels. We see how this flexible connection or clutch operates to shift into all four gears.

Later day improvements in clutch construction are demonstrated and compared with old methods. Scientific means for testing the worth of material and mechanism prove the adequacy of the device. (J-H-C)

One reel, 8 minutes
Rental, \$2.00

SOFTBALL FOR BOYS (C)

Play ball! Boys will rally to the call with added enthusiasm after seeing this fast-moving film. They'll want to try that hook-slide, pull that fast double-play, improve their bunting technique. Slow motion photography is used to analyze the individual player skills and the principles of team play in actual game situation. Emphasis is also placed on pitching techniques. (I-J-H-C)

One reel, 10 minutes
Rental, \$2.00

SOFTBALL FOR GIRLS (C)

Takes up the fundamental softball skills of throwing, catching, batting, and fielding as they apply during the

exciting last inning of a girls' intramural game. Each player's individual skill and co-ordinated teamplay is pointed out to show students how the good fun of this sport is heightened by intelligent practice. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SOIL RESOURCES (EB)

A study of what soil is and how man affects soil. Animated drawings reveal the mechanical actions which turn solid rock into soil. Also portrayed are the major scientific farming techniques designed to replace soil fertility losses and to stop erosion. (H-C)

One reel, 11 minutes
Rental, \$2.00

SOLAR FAMILY, THE (EB)

In this picture the evolution of the solar system is revealed according to the planetesimal hypothesis. This is followed by a portrayal of the real and apparent motion of the planets. Among the special phenomena presented are: the phases of Venus; retrograde motion of Mars, Jupiter and its satellites; the apparent motion of Saturn's rings; orbits of the planetoids, Eros and Anteros; orbit of Halley's comet; and the motion of the solar system in space. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SOLAR SYSTEM, THE (C)

Names of the planets, their relative size, distances from the sun and the forces at work in the solar system are presented with imagination in this film. An actual scale model of the solar system is set up to visualize dramatically the immensity of distances between the respective planets and the sun. The relationship of the planets to each other, their orbits, and important highlights about gravitational attraction, light and heat are other important teaching points covered. (I-J-A)

One reel, 11 minutes
Rental, \$2.00

SOLIDS, LIQUIDS AND GASES (YA)

An introduction to the three states of matter. It defines a liquid, a solid, and a gas, and demonstrates how a substance can be changed from one state to another, depending on how hot or how cold it is. (I-J)

One reel, 11 minutes
Rental, \$2.00

SOMETHING YOU DIDN'T EAT (USDA)

Explains in entertaining detail how one may learn to use the basic seven groups of foods essential to good nutrition and shows in simple terms how to make use of this knowledge. (Color) (General)

One reel, 10 minutes
Handling charge, \$1.00

SONG BIRDS OF THE NORTH WOODS

(TFC, Restricted to Classroom Use)

An authentic record of the songs and cries of American birds, made at Elk Lake in the Adirondack Mountains under the auspices of Cornell University.

We see the sound truck with its parabolic reflector for catching the sounds of the birds as they are photographed. Then we hear the cry of the loon and see it swimming. There is a close-up of a loon nesting at the water's edge. The calls of the white-throated sparrow and the hermit thrush are heard and we see them in their nests. A magnolia warbler and a scarlet tanager feed their young. Then a goshawk nesting, its young crying for food.

Young northern woodpeckers nest in a hole in a tree; their mother brings them food in her beak, forcing it down their throats. A pair of tame chickadees take food from a man's hand, from his lips, and from a cup. (I-J-H)

One reel, 11 minutes
Rental, \$2.25

SONG OF A NATION

(TFC, Restricted to Classroom Use)

The story of the writing of "The Star Spangled Banner."

During a musicale at the home of Francis Scott Key, Key criticizes the American policy of nonresistance to British activities. His guests accuse him of a lack of patriotism and his wife privately tells him she is losing respect for him.

Key and an officer hear that a friend has been arrested and taken aboard a British ship. They go to arrange for his release. They are held aboard ship until after an attack on Fort McHenry. The bombardment continues all night. Key and his friend expect that the American flag will be down by morning, but at dawn it is still waving. Key sits down and writes "The Star Spangled Banner." The song is enthusiastically received by Americans, and his wife asks his forgiveness for failing to understand his motives. In technicolor. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$5.00

SONGS OF STEPHEN FOSTER

(TFC, Restricted to Classroom Use)

This "Community Sing" presents Stanley Brown, Donald Grayson and others in a program of Stephen Foster songs. The following ballads are sung by the group dressed in Southern Costumes of the period and against a background of a Southern plantation: Oh Susanna, Beautiful Dreamer, Jeanie with the Light Brown Hair, Old Folks at Home, Camptown Races and My Old Kentucky Home. Words to the songs are flashed on the screen to be sung by the audience in the usual "Community Sing" style. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

SONS OF LIBERTY

(TFC, Restricted to Classroom Use)

That the Father of these United States was in no small way aided in his fight for freedom and tolerance by the financial and moral assistance of a Jewish patriot, one Haym Salomon, is the story told forcefully in this film. Salomon's experiences from the time he was initiated into the freedom-loving group known as the "Sons of Liberty" up to the time of his death at the end of the war are portrayed. (Color) (J-H-C)

One reel (800 feet), 25 minutes
Rental, \$5.00

SOUND RECORDING AND REPRODUCTION

(EB)

Explains the mechanics of sound transformation and transmission from the source to the loudspeaker in the motion picture projector. Concepts presented include the various types of sound track; the optical system employed in making the sound track; the motion picture print combining photography of picture and sound; and the reversal of recording processes in reproducing the sound record. (H-C)

One reel, 11 minutes
Rental, \$2.00

SOUND WAVES AND THEIR SOURCES (EB)

Demonstrates and explains several types of sound sources. The transmission of sound waves through the air is clearly visualized. The characteristics of sound waves, such as frequency, amplitude, wave length, fundamentals, harmonics, are vividly explained visually with acoustic accompaniment. The high-speed camera, animation, sound effects, and an oscilloscope are used to clarify the phenomena of sound. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SOUNDMAN, THE

(TFC, Restricted to Classroom Use)

Story of soundman, his studio secrets, and techniques. Traces the history of sound in movies, from the days of the tinny accompaniment in a theatre to the elaborate equipment and understanding of today. Shows the manner in which the studios file away their many sound effects, hauling them out for use whenever the need arises. (General)

One reel, 11 minutes
Rental, \$2.50

SOUNDS OF MUSIC (C)

Clearly presents the characteristics of musical sound. Two youngsters meet the genial proprietor of their local music store, who demonstrates the principles of amplitude and frequency with the sounds and grooves of a phonograph record. (J-H)

One reel, 11 minutes
Rental, \$2.00

SOURCE OF THE AMAZON (HFE)

This excellent film gives the story of the birth of the world's greatest river, and also of the life and work of the people who live at its headwaters. Careful mapping assists in telling of an area that is little known and seldom visited. (Color) (J-H-C)

One reel, 11 minutes
Rental, \$2.50

SOUTH AFRICA (BIS)

South Africa's key position at the junction of the Atlantic and Indian Oceans and Jan Christian Smuts, only Dominion Prime Minister to have served in Britain's War Cabinet, are shown. Finally the film indicates the realism with which South Africa stands ready to meet postwar problems. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SOUTH CHILE (OIAA)

Pictures the region at the very southernmost part of South America. Grand glacial scenery and the story of sheep raising on a large scale feature this description of distant Patagonia. (J-H-C)

One reel (800 feet), 18 minutes
Handling charge, \$2.50

SOUTHEASTERN STATES, THE (EB)

Delineates the variety of living patterns in Arkansas, Louisiana, Mississippi, Alabama, Florida, Georgia, South Carolina, North Carolina, Virginia, Kentucky and Tennessee, with a brief historical introduction. The stately plantation homes, mountaineer cabins, modern homes in southern cities, rolling bluegrass country, orchards, cotton and tobacco fields, farms and factories all woven together tell the story of the region's twenty-eight million people and how their welfare is bound up with the national economy. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SOUTHERN BRAZIL (OIAA)

Brazil's march of progress as exemplified in its southernmost area, the states of Parana, Santa Catarina, and Rio Grande de Sul is shown. Here is Brazil's great cattle-raising country and also its granary. Here too is a section that is grasping every opportunity to keep pace with modern industrial progress. (J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

SOUTHERN CHILE (HFE)

Concerns the people, geography and history of one of Chile's most unusual regions. There are remarkable scenes of the Strait of Magellan, and a series of animated maps showing the effect the Panama Canal has

had on ship traffic through the Strait and the once significant stop on the trade route, Punta Arenas. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SOUTHWESTERN STATES, THE (EB)

Portrays aspects of life in areas of Texas, Oklahoma, New Mexico, and Arizona. Reference is made to the topography, rainfall, and other characteristic features including the imprint of Spanish and Indian cultures. Irrigation, stock raising, mining, agriculture, and oil extracting and refining are among the occupational activities shown. The exchange of goods and services with those of other sections of the country is depicted with animated photography. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SOYBEANS — FEATURE STORY (NSB)

A reporter for the News is assigned to do a feature story on soybeans. At a local soybean processing plant he gets the story of the soybean from its earliest history to its present place in our national economy. Processing methods, products, uses, research and markets are demonstrated. Proper steps in planting, cultivating and weed control are explained. The place of the crop in the farm scheme is defined. The effect of this annual legume crop upon the soil is shown in comparison with other farm crops, also its relationship to runoff and erosion. (Color) (C-A)

One reel (1200 feet), 27 minutes
Handling charge, \$1.00

SPAIN: THE LAND AND THE PEOPLE (C)

This film journey takes the viewer from Madrid in the north to the fertile river valleys in the south. A visit is made to the cities and villages, and people of those places. (I-J-H)

One reel, 10 minutes
Rental, \$2.00

SPANISH CHILDREN (EB)

The film provides a visit with a rural family of southern Spain. A trip by a boy and his father to the city and an evening at home celebrating the little daughter's birthday are charmingly portrayed. Particular emphasis is laid on the activities of the children in the family. The film's narrator is of Spanish descent and speaks with a slight Spanish accent, thus lending a realistic flavor to the film. (P-I)

One reel, 11 minutes
Rental, \$2.00

SPANISH INFLUENCE IN THE UNITED STATES (C)

Even though Dolores and Don live in the midwest, our Spanish heritage plays an important part in their

lives. By clearly surveying the world around them, they come to realize that this influence has become very much a part of all our daily lives. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

SPARKY, THE COLT (C)

Here is a medium that will provide specific interest value in reading, youthful discussion and writing activities. From the moment your children "discover" Sparky, the wobbly little colt, they'll eagerly follow his adventures as he grows strong, learns to trot across the fields, and finally makes friends with his little master. (P-I)

One reel, 11 minutes
Rental, \$2.00

SPEECH: FUNCTION OF GESTURES (YA)

Explains the function of the gesture in public speaking, and points out how the speech can be made much more effective by using the correct gestures at the correct time. Illustrates some commonly used gestures and their function. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

SPEECH: PLATFORM POSTURE AND APPEARANCE (YA)

Deals with the importance of good appearance and proper posture to the public speaker's success. Each element is treated in detail from the viewpoint of the inexperienced speaker, as the film points out that the audience is impressed as much by what it sees as by what it hears. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

SPEECH: STAGE FRIGHT AND WHAT TO DO ABOUT IT (YA)

Analyzes the causes of stage fright, and shows the inexperienced public speaker what he can do to overcome it, both in the preparation for his talk and presentation. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

SPEED AND REFLEXES (PRP)

Designed to instruct amateur and professional driver alike. The human reflex and reaction is demonstrated and explained, also the effects of fatigue upon reflexes and visibility range. Shows why we dare not exceed speeds which violate natural laws and our own physical limitations. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

SPEEDBALL FOR GIRLS (C)

Introduces students to an exciting game which is rapidly growing in popularity. The film lucidly ex-

plains players' positions on the field, the rules of the game, techniques in developing team cooperation and individual skills—kicking, juggling, volleying, passing, and receiving. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SPELLING IS EASY (C)

A motivational film for the intermediate grades, and presents the five basic rules for learning to spell. (I)

One reel, 10 minutes
Rental, \$2.00

SPIDERS (EB)

The nursery-web, the orb-web, the funnel-web, and the trap-door spiders appear in this picture. The complete life cycle of the first is presented, and the peculiar habits and characteristics of the others are shown. The construction of an orb-web is shown through every step of the procedure. The retreat of the trap-door spider is explained and illustrated. There are also scenes demonstrating the prowess of spiders as hunters and providers. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SPINNING WHEEL (AB)

There are detailed close-ups of carding, rolling curls, and spinning combined with the study of various parts of the "wheel" and the method of doubling the yarn for knitting as Grandmother teaches Elaine to spin. (I-J)

One reel, 10 minutes
Rental, \$2.00

SPIRIT OF '43, THE (OWI)

America's most dynamic character, Donald Duck, symbolizes the feelings of all of us confronted with two conflicting impulses. One-half of this dual personality is represented by a Scottish duck, called Scotty, while the spendthrift is portrayed by Zooties, the zoot-suit duck. Torn between these two personalities, Donald Duck realizes that the choice is really very simple: spend for the Axis or save for taxes. (Color) (General)

One reel, 6 minutes
Handling charge, \$2.00

SPOT NEWS (JH)

Against a background of music and then actual sounds, the picture opens with a direct recording sequence of dialogue and scenes as a wire-photo crew goes out to make the photograph of an airplane taking off from the top of a speeding automobile, and then transmits the photograph back to the newspaper office over a telephone wire. It ends by showing and explaining how the current is received back at the newspaper office and changed back to light values and printed as a picture, ready for newspaper equipment in a modern newspaper plant. (J-H-C)

One reel, 9 minutes
Rental, \$2.00

SPOTTY: STORY OF A FAWN (C)

Primary grade teachers will welcome this story picture as a beautiful and stimulating experience for all young students. Filmed against the authentic background of the north woods, the adventures of Spotty, a wild fawn, are believable and fascinating. Participation devices are aurally and visually built into the picture and the narration has been keyed to primary grade word lists. (Color) (P)

One reel, 11 minutes
Rental, \$3.00

SPRING ON THE FARM (EB)

Photographed in beautiful color, we follow Joan and Jerry Johnson as they observe the many interesting things that happen to the Johnson farm during the months of March, April, and May. (Color) (P-I)

One reel, 11 minutes
Rental, \$3.50

SPRINGBOARD TECHNIQUES (C)

A prerequisite to skillful diving is proper use of the springboard, which is thoroughly explained in this film, produced under the supervision of Mike Peppe, Director of Swimming at Ohio State University. The film not only demonstrates proper techniques, but also shows the step-by-step methods of acquiring those techniques.

Stop motion and slow motion are used for detailed analysis of lifts, tucks, somersaults, and other skills. Techniques are summarized in a final sequence of outdoor shots showing the finished performance of expert divers. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

STAINLESS STEEL (USBM)

Emphasizes waste and destruction produced by rust and cost of protection against this enemy. Corrosion-resistant quality of stainless steel is illustrated by test. Making of stainless steel is depicted.

One reel (1200 feet), 29 minutes
Handling charge, \$1.00

STAR SPANGLED BANNER

An aid to community singing, the words of "The Star Spangled Banner" are superimposed on each succeeding scene of this film. A moving orchestration of our National Anthem provides the accompaniment. (General)

One reel, 2 minutes
Rental, 50 cents

STEAM LOCOMOTIVE (NYC)

Highlights of the care and operation of the great Hudson type locomotive are shown in this entertaining and informative picture. There are scenes in the yards, in the roundhouse and in the cab of a locomotive in

action. The important servicing facilities are shown in detail and the operating principles of the locomotive are clearly explained. (J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

STEEL RULE, THE (USOE)

Discusses in detail the steel rule, shows the various forms in general use, explains the fractional scales found on them and demonstrates their correct use. The variations of the steel rule in the form of depth gages and the combination square are shown. Proper methods for holding and using a steel rule to set calipers, to measure the length and diameter of round stock are demonstrated. Emphasis is given to care needed to maintain the usefulness of the steel rule and its variations. (H-C)

One reel, 11 minutes
Rental, \$2.00

STEM RUST — AIRBORNE ENEMY OF GRAIN (USDA)

Stem rust is a fungus disease that destroys wheat, oats, barley, and rye. Shows how barberry bushes spread the disease to grain crops, the nature of the disease, the importance of these crops and dependent industries in the nation's economy, and how stem rust damages grain. Covered in detail is the story of ridding grain areas of barberry bushes which spread stem rust. (Color) (H-C-A)

One reel (800 feet), 22 minutes
Handling charge, \$1.00

STEPS OF THE BALLET (BIS)

The film shows the basic classical positions and movements of the ballet—the disciplined exercises necessary to achieve perfection. During rehearsal, the work of the choreographer, the composer, and the designer are explained. Then an original new ballet is presented for the first time in this film. Music is played by the London Symphony Orchestra. Robert Helpmann, famous choreographer and dancer, is the narrator. (J-H-C)

One reel (800 feet), 23 minutes
Rental, \$3.00

STEP-SAVING KITCHEN, A (USDA)

This film shows a kitchen planned as an efficient workshop where a woman's work may be done with least walking, stooping, lifting, and stretching. The kitchen is U-shaped, designed by housing and household equipment specialists of the Bureau of Human Nutrition and Home Economics. Basic principles used in planning the kitchen are shown, with demonstration of work saved by the well-planned, adequate storage and work space. (Color) (General)

One reel (800 feet), 14 minutes
Handling charge, \$2.50

STOP SILICOSIS (US)

Dramatizes causes and results of silicosis and some of the hazardous conditions under which a million Americans work. It shows you the contrast between X-ray silicosis and normal lungs. (H-C)

One reel, 10 minutes
Rental, \$1.00

STOP THAT CAR (JH)

This picture deals with the brakes in the modern motorcar. It shows how energy exists in the form of heat, motion, electricity and light, and how all these forms of energy are interchangeable. When motion is changed into heat, the means to this change is friction.

In a motorcar, to stop the turning wheels of an automobile, friction must be applied; friction, in turn, engenders heat. Means of dissipating some of this heat are demonstrated. Animated pictures show the design of brakes from the crudest form to the modern hydraulic.

A car is driven at high speed off a dock into a barge and stopped within the length of the barge, as a demonstration of modern brake efficiency. (J-H-C)

One reel, 9 minutes
Rental, \$1.50

STORIES OF HOLLAND: BACKGROUND FOR READING (C)

Holland—windmills, dikes and wooden shoes—setting for many of our best-loved children's stories. Here, in an excellent and entertaining production, students get a vivid visual background for their reading—both fiction and nonfiction—about Holland. They visit Broek, the setting for the story of Hans Brinker—see Volendam, a typical fishing village on the Zuider Zee—explore the old city of Leiden at tulip time—and many other places of literary interest on this thoroughly delightful film journey. (I-J)

One reel, 11 minutes
Rental, \$2.00

STORY OF A SPARK PLUG, THE (USBM)

Describes functions of parts comprising the spark plug—shell, electrodes, gaskets, terminal, and insulator. Depicts mining of silimanite from which insulators are made. (J-H-C)

One reel (1200 feet), 34 minutes
Handling charge, \$1.00

STORY OF A STORAGE BATTERY, THE (USBM)

Film covers basic information on operation of modern storage battery. Opening scenes show varied uses for storage batteries, such as starting automobiles and supplying power for light and radio. Latter part of film deals with manufacture of precision parts of modern

battery, which must meet certain mechanical, electrical, and chemical precision standards. (H)

One reel (1200 feet), 30 minutes
Handling charge, \$1.00

STORY OF A STORM (C)

Using superior animation and careful organization, this film presents a basic experience in which science and social studies merge as they do in everyday living. From it are drawn scientific observations and data. Here is vivid, valid, fascinating science instruction for all grade levels. Here, too, is reading background for language studies and for social studies. (I-J-H-A)

One reel, 11 minutes
Rental, \$2.00

**STORY OF ALFRED NOBEL, THE
(TFC, Restricted to Classroom Use)**

The Story of Alfred Nobel shows a Nobel Prize notification, then shifts to a close-up of Nobel. In his laboratory, he is searching for a way to harness nitroglycerine. He notices the fluid soaking into white clay, and thus accidentally discovers dynamite. A montage follows of the commercial uses of dynamite, all of which have aided in mankind's progress.

Praise and honors come to him, culminating in his decoration with the Legion of Honor. As he is about to leave the building after receiving the decoration, an unknown woman bars his path, and insistently demands that he follow her. He does so, and is conducted into the presence of her maimed and wounded son, a casualty of the Franco-Prussian War, and of the dynamite which had made Nobel rich.

Nobel determines to seek a way to conquer war, and works on to devise new ways of terror to compel peace. His life span appears uncertain, and he talks to many groups in the hope of permanent peace. He concludes that prevention of war through terror is of no avail; that the answer lies, not through fear, but love. The road to peace leads from the council table, not the battlefield, as a montage of war scenes and destruction is shown.

He therefore sets up the Nobel Prize awards to leaders in physics, chemistry, medicine, literature, and for contributions to world peace. The commentator closes the film with the question as to the whereabouts of the man who is being sought by the spirit of Alfred Nobel. (General)

One reel, 11 minutes
Rental, \$2.25

STORY OF ARC WELDING, THE (USBM)

A short history of arc welding and illustrates what happens during the making of an arc weld. (J-H-C)

One reel (800 feet), 24 minutes
Rental, \$1.00

STORY OF CHRISTOPHER COLUMBUS (EB)

Brings to life the story of America's discovery and of the man whose conviction, courage, and faith brought it about. Clearly dramatizes highlights in the life of Columbus, including his boyhood dreams of travel and adventure, his tireless search for aid in organizing an expedition, his long and hazardous voyage westward, and finally his landing in San Salvador in 1492. (I-J)

One reel (800 feet), 20 minutes
Rental, \$3.00

STORY OF COAL, THE (KB)

Coal is one of our greatest natural resources. Its discovery only 150 years ago in America was the beginning of a new industry. How coal is formed, the mining processes, regions where it is found, and uses in the business world are shown. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

STORY OF COMMUNICATION, THE (FI)

The story of transmission of messages and man's achievements in improving his means of communication. It brings out with forceful clarity the fact that until electrical energy was harnessed, the world's means of communication were linked with its means of transportation. (J-H)

One reel (800 feet), 22 minutes
Rental, \$2.50

STORY OF COPPER, THE (USBM)

After an introduction to prehistoric use of copper, story begins with open-pit mining operations at Morenci, Arizona and continues to underground mining at Bisbee, Arizona, thence to smelter and an electrolytic refinery. (J-H-C-A)

One reel (1200 feet), 34 minutes
Handling charge, \$1.00

STORY OF DR. CARVER, THE

(TFC, Restricted to Classroom Use)

This picture gives us the story of a Negro slave-boy who received an education and became a scientist.

Night raiders steal the boy from a landowner named Carver. Carver trails them and trades his horse for the boy who is sickly and considered of small value.

Because of the little slave's interest in studying, Carver educates him, gives him his own name. After being graduated from the University of Iowa the young scientist is assigned to the cotton crisis in the South. He solves it by introducing the idea of rotating peanut and cotton crops. When this results in an oversupply of peanuts he determines to seek new uses. There are now 140 products made from the peanut, including oil, wallboard, shaving cream, ice cream and cones, axle grease, meat sauce, and quinine.

Tuskegee Institute has erected a statue to Carver. (I-J-H)

One reel, 11 minutes
Rental, \$2.25

STORY OF DR. JENNER, THE

(TFC, Restricted to Classroom Use)

Is the story of how Dr. Jenner, the English country physician, discovered how to prevent smallpox by vaccination. It is a splendid dramatic film presenting Dr. Jenner's idea about smallpox prevention, his ridicule before medical men and the hostility of his own townspeople; the testing of his vaccination and its outcome. The plague of smallpox is beaten. (J-H-C)

One reel, 11 minutes
Rental, \$2.25

STORY OF ELIAS HOWE, THE

(TFC, Restricted to Classroom Use)

The story of Elias Howe and his years of struggle to perfect the sewing machine are vividly portrayed. The picture attempts to show that inventors seldom profit from their inventions and rarely enjoy the gratitude of the age in which they live. (I-J-H)

One reel, 11 minutes
Rental, \$2.25

STORY OF GASOLINE (USBM)

Traces the story of gasoline from crude oil to the finished product and explains in simple terms the complex structural patterns of petroleum molecules making up gasoline. Through animation, the various hydrocarbon molecules come to life and separately explain their performances in gasoline. The refining process is shown in detail with all products pictured in different colors for easy identification. (Color) (J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

STORY OF LEAD (USBM)

Here is shown mining operations in the lead belt of southeastern Missouri. Mining began there in 1720 under authority of a patent from the King of France. Pictured chat piles stand as monuments to the millions of tons of lead removed in past years, the chat containing limestone, now used as a fertilizer. The film shows the mining, processing, and refining of lead, and its eventual shipment to industry. (J-H-C)

One reel (1200 feet), 30 minutes
Handling charge, \$1.00

STORY OF LEATHER (TCA)

A coherent, visual description of the process involved in the manufacture of leather, as well as its value in the multitude of uses to which it is put in modern life. Includes scenes of a cattle roundup, taking of hides, curing and preservation during the long tanning process. World maps with animated titles and diagrams indicate the interrelation of productive factors in the modern world by showing the sources of all the raw materials used in tanning. Shows leather being made

into shoes, bags, clothing, upholstery and other products. (I-J-H)

One reel (1200 feet), 30 minutes
Handling charge, \$1.00

STORY OF LUBRICATING OIL (USBM)

Stresses the importance of lubrication to machinery; shows stills used in separating various products from crude oil; animated drawings explain theory of operation of still; pictures treatment of crude lubricating oil to remove impurities; shows removal of paraffin wax; illustrates separation of oil in various grades in reducing stills, followed by filtration. Follows bottom stock remaining after distillation of crude oil through treatment with chemicals to take out impurities; shows separation of petroleum by centrifuges; also shows flash and viscosity tests in laboratory. (Color) (I-J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

STORY OF MONEY (BIS)

Explains the development of the monetary system from the earliest days of simple barter to the complexities of modern banking. Shows the evolution of coins, checks and banking houses, and the part they play in the business world of today. (H-C)

One reel (800 feet), 16 minutes
Rental, \$3.00

STORY OF NICKEL, THE (USBM)

The film pictures and describes activities and operations in Canada and the United States which are essential to the production of nickel and its alloys. Huge dams, lakes, and power plants situated at High Falls, Canada, are required for mine and mill operations. The closing scenes show nickel alloy strips ground, polished, and prepared for shipment. (J-H-C)

One reel (1200 feet), 34 minutes
Handling charge, \$1.00

STORY OF OUR FLAG, THE (KB)

An account of how the stars and stripes came into existence and of the influences on its design. (I-J-H)

One reel, 10 minutes
Rental, \$2.00

STORY OF PRINTING (EB)

Traces the story of printing from ancient times to the present day. Shows early methods of reproducing pictures by means of carved wood blocks and depicts gradual transition from printing of pictures to printing of letters. Includes sequences clearly illustrating Gutenberg's contributions to printing. Shows evolution of modern type faces and improvements in paper on which to print. Suggests the impact of the Industrial Revolution on printing and concludes with scenes of

modern book and newspaper presses in operation. (J-H-C-A)

One reel (1600 feet), 45 minutes
Rental, \$6.50

STORY OF ROCK WOOL HOME INSULATION, THE (USBM)

Describes the problems encountered by a young couple who have been offered a drafty house as a wedding gift. While the man and woman are debating the advisability of accepting the offer, a friend tells them the structure can be made comfortable by adequate insulation. Of interest to very home owner is the description presented regarding the cause of draft and loss of heat due to lack of insulation. (H-C)

One reel, 11 minutes
Handling charge, \$1.00

STORY OF STEEL, THE (KB)

From the mines — where iron ore is found, we trace the refining processes and follow its many uses in the manufacture of such things as watch springs, a skyscraper and a battleship. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

STORY OF THE MICROSCOPE, THE (KB)

The history of the development of the microscope is depicted. Its many contributions to man's knowledge of the "invisible world" is brought out. (J-H-C)

One reel, 11 minutes
Rental, \$1.50

STORY OF THE TELESCOPE, THE (KB)

This film touches upon ancient astronomical knowledge, the invention of the telescope and development in building both reflectors and refractors. The wonders of the far away worlds are shown. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

STORY OF THE VIOLIN (HOP)

The making of a violin, from the gluing of the two pieces that form the back to the playing of the instrument by a master violinist. The shaping of back and sides, of the neck, and the final careful, expert varnishing. Also included is a bit of the history of the violin. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

STORY THAT COULDN'T BE TOLD, THE (TFC, Restricted to Classroom Use)

This is the history of John Peter Zenger, pre-Revolutionary War printer and publisher, who was persecuted, arrested and tried for publishing reports reflecting upon the honesty of His Majesty's colonial

representative. Zenger's friend, John Alexander, sought and received the assistance of the able retired lawyer, Andrew Hamilton, of Philadelphia, whose presentation before the jury is a masterly statement on the freedom of the press. Zenger's acquittal was one of the first victories for freedom of the press and contributed to the inclusion of this doctrine in the Bill of Rights. It is highly recommended for junior and senior high school classes in civics, social studies and American history. (J-H-C)

One reel, 11 minutes
Rental, \$2.50

STRAND BREAKS, A (EB)

It reveals the constant ebb and flow of creation and destruction within the web of life, and the competition for survival of all living things. It pictures changes effected in natural growth before man, and reveals how mankind has threatened the welfare of all life by introducing new elements into nature's balance that reduce the earth's carrying capacity. Inescapably the film shows how man must learn to follow the laws of nature to guard the earth from depletion of its resources. (Color) (J-H-C-A)

One reel (800 feet), 17 minutes
Rental, \$7.00

STRANDS GROW, THE (EB)

Traces through prehistoric remains the story of competition and constant change which affect all life from the first single-celled plant to the climax forest. Shows that all life is bound together in the vast web of nature's balance, in which everything depends upon plant-manufactured food. Shows how once-dominant forms of life — the trilobite, the dinosaur, the sabre-toothed tiger — became extinct when they were unable to adjust to the changes in environment. (Color) (J-H-C-A)

One reel (800 feet), 17 minutes
Rental, \$7.00

STRENGTH OF THE HILLS, THE (USDA)

Shows rich, hilly country and the many uses made of the timber grown. It also presents a picture of the destruction work and losses incurred by forest fires. Conservation is a new frontier of a richer and better living. (H-C)

One reel, 11 minutes
Rental, \$1.00

STRING CHOIR, THE (EB)

The principal objective here is to show how the string choir's virtuosity makes it the orchestra's most important group. Other objectives achieved are to demonstrate various playing techniques, such as bowing and pizzicato; to present for study the different instruments that make up the choir, and their peculiarities of timbre and tone. All these are done in full orchestral setting both as to action and sound. (See Brass

Choir, Percussion Group, Symphony Orchestra, Woodwind Choir.) (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

SUBTRACTION IS EASY (C)

In this companion film to Addition Is Easy, Billy faces the problem of deciding whether he will have enough money to buy a baseball after purchasing paints and a bat. Students see mathematics in action — and from this film learn borrowing, place value, and other fundamentals of subtraction. Also teaches the relative value of coins in our monetary system. (Primary)

One reel, 10 minutes
Rental, \$2.00

SUGAR CANE (USDA)

Shows the planting, cultivating, harvesting, and refining of sugar cane. (J-H-C)

One reel (800 feet), 16 minutes
Rental, \$2.50

SUFFER LITTLE CHILDREN (NFBC)

Here is the story of what war did to the children of Europe, and what is being done to help them. Food, clothing and medical assistance are arriving daily from the Allied Nations. (General)

One reel, 11 minutes
Rental, \$2.00

SULPHUR (USBM)

Depicts all the processes in the production of sulphur: drilling wells; sending steam to bottom of wells; storing of liquid sulphur; removing of sides of sulphur vats; blasting and shipment of the sulphur. (J-H-C)

One reel (800 feet), 22 minutes
Handling charge, \$1.00

SULPHUR AND ITS COMPOUNDS (C)

Highlights in the history of this element, some of its present uses and its physical and chemical properties are illustrated. (Color) (J-H-C)

One reel, 10 minutes
Rental, \$3.25

SUMMER ON THE FARM (EB)

Joan and Jerry Johnson watch the growth of plants and animals during the summer. As they work and play on the farm, they have opportunities to see live, growing things that interest them. (Color) (P-I)

One reel, 11 minutes
Rental, \$3.50

SUN, EARTH AND MOON (NA)

These three words allow John Kieran to explain, in layman terms, graphically as well as pictorially the

reasons for day and night, as well as the seasons of the year in various parts of the hemisphere. (I-J-H-C-A)

One reel, 11 minutes
Rental, \$2.25

SUNDAY IN THE VALLEY OF MEXICO (OIAA)

What to do and see on Sundays near Mexico City — from viewing pyramids to modern dancing. (General)

One reel, 11 minutes
Handling charge, \$2.00

SUNFISH (EB)

Presents the life of the sunfish from the preparation of the nest, the laying and fertilizing of the eggs, the hatching of the eggs, and the development of the fish to maturity. The underwater shots are excellent and the photography unusual. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

SUN'S FAMILY, THE (YA)

Explains what the solar system is: that the sun is really one of the smaller stars, and that the nine planets revolving around it constitute its "family," that the earth is one of those planets, and that each planet travels in a fixed orbit around the sun. (I-J)

One reel, 11 minutes
Rental, \$2.00

SUPAI INDIANS(C)

At the rim of the Grand Canyon of the Colorado live the last remnants of a great Indian tribe, the Supai, who now number only 175. The breath-taking beauty of their natural surroundings is the backdrop for this study of their customs, industries and habits. (Color) (I-J-H-C)

One reel, 10 minutes
Rental, \$3.25

SUPERVISING WOMEN WORKERS (USOE)

The same rules apply in supervising both men and women. Women, however, haven't the same background of industrial experience and very often have more home responsibilities than men. These facts must be taken into account by the supervisor. (H-C)

One reel, 11 minutes
Rental, \$2.00

SUPERVISING WORKERS ON THE JOB (USOE)

Various kinds of poor supervision practices are shown, among them, nagging, snooping, etc. By dramatized incidents, the poor results of these methods are made apparent. (H-C)

One reel, 10 minutes
Rental, \$2.00

SUPERVISOR AS A LEADER, PART I (USOE)

Several workmen are asked what they consider to be the qualifications of a good supervisor: Always keep

promises. Never take credit for someone else's work. Don't pass the buck. Don't play favorites. (H-C)

One reel (800 feet), 19 minutes
Rental, \$2.00

SUPERVISOR AS A LEADER, PART II (USOE)

Four supervisors discuss the qualities of leadership. Dramatized incidents make clear what they mean. One man lets his job go to his head. Another goes to pieces under pressure, he can't control himself. (H-C)

One reel, 11 minutes
Rental, \$2.00

SUPREME COURT, THE (MOT)

How the United States Supreme Court works, how a case gets to and through the Court, and the extent of the Court's authority are given major emphasis. The role of the Court in preserving our political institutions and its effect upon our national life is examined. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

SUPREME COURT, THE (C)

This story about the Supreme Court of the United States begins in a city a thousand miles from Washington. As we follow a case from inception, through the lower courts, to final hearing before the Supreme Court, we learn the relationship of the court to the "plain citizen." We see the Supreme Court as the guardian of Constitutional rights, learn its function, powers, and jurisdiction. (H-C)

One reel, 10 minutes
Rental, \$2.00

SURVIVAL OF THE FITTEST (AAF)

The purpose of this project is to show the over-all function of the physical training program and physical fitness program of the Army Air Forces. The scenario relates this background of physical conditioning to the stamina that enables Army Air Force men and women to carry on under the most trying and most exhausting conditions. (H-C)

One reel (800 feet), 17 minutes
Handling charge, \$2.00

SWAN, THE (BFS)

A musical number featuring Saint-Saëns' well-known composition of that name. (J-H-C)

One-half reel, 6 minutes
Rental, \$1.00

SWEDEN (MOT)

Sweden's paradoxical yet unique balance of monarchy, capitalism, and socialism — the "Middle Way" — is shown. (J-H-C)

One reel (800 feet), 14 minutes
Rental, \$2.50

SWIMMING AND DIVING ACES (ICS)

We learn, through slow motion, in this film what makes good divers. Every type of twisting, turning dive is shown. (General)

One reel, 11 minutes
Rental, \$2.00

SWINGTIME HOLIDAY (UW)

Gus Arnheim and his Orchestra with the Delta Rhythm Boys and Jimmy Dodd. (General)

One reel (800 feet), 20 minutes
Rental, \$2.50

SYMPHONY ORCHESTRA (EB)

The objectives of this film are as follows: first, to present accurately and dramatically the symphony orchestra; second, to show the relation of composer and conductor to symphonic music; third, to elaborate the various choirs that make up the orchestra, and the chief functions of each; fourth, to present gems of music literature; and fifth, to give opportunity for study of the conductor's technique. The orchestra in this series was made up largely of New York Philharmonic Symphony players, and was under the baton of Howard Barlow. (See Brass Choir, Percussion Group, String Choir, Woodwind Choir.) (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

SYNTHETIC FIBERS (EB)

Reveals how modern science and technology have made possible the development of new synthetic fibers for making textiles—specifically rayon and nylon. Compares the making of these fibers to similar processes in nature. Calls attention to the materials used in manufacturing commercial synthetic fibers, and then explains the different stages of processing in order to obtain the final products. (H-C)

One reel (800 feet), 14 minutes
Rental, \$2.00

SYNTHETIC RUBBER (USBM)

Opening scenes show a chemist in his laboratory in search of a material having the same composition as natural rubber. The characteristics of natural rubber were the result of the discovery by Charles Goodyear of the secret of vulcanization. When our imports of natural rubber were found to be inadequate, scientists began an intensive search for a synthetic product to replace natural rubber. The experiments of Michael Faraday, Greville Williams, and Sir William Tilden are recalled, and the two most important types of synthetic rubber are compared. (J-H-C)

One reel (800 feet), 21 minutes
Handling charge, \$1.00

TVA (RKO)

The vivid story of man's victory over one of the great forces of nature, turning its might of power from a fury of flood to beneficent electricity. (General)

One reel (800 feet), 18 minutes
Rental, \$2.50

TABLE MANNERS (C)

After a graphic identification of all the pieces of flat silver in general table use today, the opportunity is given to study the fundamentals of good table manners at a dinner sequence in a family home without servants. Following the use of utensils is a series of illustrations of the handling of foods which are considered difficult to manage, such as asparagus, spaghetti, cream-filled desserts, etc. Later scenes cover the handling of awkward situations. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

TABLE TENNIS (TFC, Restricted to Classroom Use)

Table tennis, with experts playing in singles and doubles, is shown here. After an explanation of the grip, the players demonstrate push shots, service, spin shot and return, forehand and backhand shots, and footwork. (J-H-C)

One reel, 10 minutes
Rental, \$2.25

TACKLING IN FOOTBALL (EB)

Demonstrates good tackling, the importance of condition, speed, body control, grip and timing. Safety measures are illustrated. (See Ball Handling in Football, and Blocking in Football.) (J-H-C)

One reel, 10 minutes
Rental, \$2.25

TALE IN A TEACUP (TBFL)

Here is the story of tea from its early Oriental beginning to its place in the modern world. The first part of the film is concerned with the spread of tea throughout the world. It tells of the scarcity of tea in Occidental countries and its consequent priceless value during early tea-drinking days. Then, with the introduction of tea trees to India, the tea market became more important and tea became available to more people. World use of tea developed into a great business. The film shows modern techniques of tea handling, processing, and grading. (General)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

TALE OF TWO CITIES

(TFC, Restricted to Classroom Use)

This is a condensed school version of the feature picture produced by Metro-Goldwyn-Mayer in 1935 based on the Charles Dickens novel of the same name.

Ronald Colman plays the part of Sidney Carton. In this version of the photoplay not only is the complete story presented in a way to stimulate the interest of students in English literature to a further study of this classic novel, but social study groups will find stimulating material in observing the causes of mass rebellion against the aristocracy of France during the revolutionary period and will be impressed by the injustices which result when poorly organized mob rule, in the name of Democracy, assumes control of a nation's affairs. (J-H-C)

One reel (1600 feet), 40 minutes
Rental, \$5.00

TANKS (OWI)

The manufacture of the M-3 medium tank is graphically described. This picture was photographed at the Chrysler Detroit Tank Arsenal, Fort Knox, Kentucky, and an unnamed Eastern Seaport. In telling the tale of how the M-3 medium tank is assembled, tested and shipped overseas, all the component factors are fused into an outstanding reel. (H-C)

One reel, 11 minutes
Handling charge, \$2.00

TARGET — BERLIN (OWI)

Here is a good film that tells how Canada mobilized her strength to turn out giant bombers in a plant that had previously made only light aircraft. The Lancaster, the longest range bomber in the world, called for the skills of thousands of men. People came from all parts of Canada to build her. The crew of this first long range bomber is shown on its mission to Berlin. (H-C)

One reel (800 feet), 17 minutes
Handling charge, \$2.00

TARGET FOR TODAY (AAF)

This is the most comprehensive story ever told of an air bombing mission and is perhaps the most complete combat documentary film made of an Eighth Air Force Mission. It was produced, directed, and edited by Lt. Col. William J. Keighley, Chief of the Motion Picture Services Division, Office of Assistant of Air Staff Intelligence. It is the story of a bombing raid from the planning stage, through briefing, take-off, flight, "bombs away," the return home, report of the fliers to intelligence officers, and what is done with the information brought back. (H-C)

Three reels (1200 feet each), 93 minutes
Handling charge, \$4.00

TARGET FOR TONIGHT (OWI)

An account of an actual air raid by the Bomber Command of the Royal Air Force. Aerial photographs disclose the objective to be raided. After planning and preparation routines are shown, the camera stays with a Wellington bomber while its objective is reached,

bombing is completed as scheduled, and the plane reports back to headquarters. (H-C)

Two reels (1200 feet each),
48 minutes
Handling charge, \$4.00

TARGET INVISIBLE (OWI)

Tells you what the eleventh man did on a B-29. Reveals many radar secrets from a B-29 while in action. (General)

One reel, 10 minutes
Rental, \$2.00

TASK FORCE (OWI)

In this picture, the fighting men of the Coast Guard are shown fulfilling their mission escorting a convoy and landing invaders. An exciting episode in the sinking of a submarine is revealed. Before reaching their destination they encounter enemy planes. With navy guns pounding the shores hour after hour, the Coast Guard landing barge crews are ready to do their job. As the beachhead position is consolidated, the last ship is unloaded—their mission has been completed. (H-C)

One reel (800 feet), 22 minutes
Handling charge, \$2.00

TEACHERS' CRISIS (MOT)

The story of the critical situation which faces the American teacher and which constitutes a threat to our entire educational system. (General)

One reel (800 feet), 17 minutes
Rental, \$2.50

TEACHERS FOR TOMORROW (UWI)

A vocational guidance film on teaching. While indicating the expected demand for more elementary and secondary teachers, the film depicts the selection and preparation of teachers at all school levels. Student teachers are shown in teaching situations under the guidance of experienced personnel. The functions of a teacher placement bureau are shown. (H-C)

One reel (800 feet), 22 minutes
Rental, \$2.50

TEACHING (VGF)

Covers educational and training requirements and shows the activities in which a teacher partakes in the modern school. (H-C)

One reel, 11 minutes
Rental, \$2.00

TEACHING MATERIALS CENTER (VDE)

Shows the organization, variety of materials, and classroom significance of a county teaching materials center. (I-J-H)

One reel, 11 minutes
Rental, \$2.50

TEDDY BEARS AT PLAY (UW)

Shows the Australian Koala Bear at play, running around on the ground—wrestling with other Koala Bears, in trees, etc. It has a nice musical background, and a voice singing a song about Teddy Bear's Picnic. (P)

One reel, 9 minutes
Rental, \$1.00

TEDDY, THE ROUGH RIDER

(TFC, Restricted to Classroom Use)

The biography of Theodore Roosevelt from 1898 to 1914 shows his activity successively as President of New York Police Commission; as Assistant Secretary of the Navy; his organization of the Rough Riders and participation in the Spanish American War; his election as Governor of New York State; his nomination and election to the Vice Presidency and Presidency of the United States. Throughout the film the impression is given of rugged and constructive honesty in his handling of self-seeking politicians, labor disputants and un-American influences, both before and after the First World War. This film is in technicolor. (I-J-H)

One reel (800 feet), 19 minutes
Rental, \$5.00

TEEN NUMBERS (YA)

Develops the meaning of the place value of the teen numbers. Concepts developed in this film are basic to understanding the nature of our decimal number system. (P)

One reel, 11 minutes
Rental, \$2.00

TEETH, THE (EB)

Animated drawings and direct photography present vividly four vital problems in connection with teeth. They are: how teeth develop and grow, which foods help to build strong teeth, how to brush the teeth, and how the dentist cares for our teeth. The development and growth from the time when the first tooth bud appears in the three-month-old embryo until appearance of the final permanent tooth in the late teens is presented by animated drawings. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

TEHUANTEPEC (OIAA)

Tehuantepec, with its thatched roofs, picturesque countryside, and faithfully preserved traditions is one of Mexico's most attractive villages. The women of Tehuantepec dominated the scene in the market place; for it is understood that the men are to work in the fields while the women engage in trade. The clothing worn is exceptionally beautiful and bright colors are inevitable. A gay wedding party is shown and a fruit festival is vividly described. This is a Kodachrome film. (General)

One reel, 10 minutes
Handling charge, \$2.00

TELEPHONE AND TELEGRAPH (VGF)

The role of both operators and maintenance people with both simple and complex equipment, like Teleprinters and Multiplex machines, is well illustrated. The need for some highly specialized technically trained people in both the telephone and telegraph business is mentioned. Reference is also made to office workers and managers in this interesting guidance film. (J-H)

One reel, 11 minutes
Rental, \$2.00

TELL-TALE HEART, THE

(TFC, Restricted to Classroom Use)

This film presents a dramatization of Edgar Allen Poe's "The Tell-Tale Heart," which deals with a weaver's apprentice who murders his cruel master and is driven to confession by a guilty conscience and the imaginary, haunting sound of the murdered man's heartbeat. (H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

10,000 FEET DEEP (SOC)

This picture was filmed in the beautiful bayous of Louisiana and will give authentic information on present-day methods of oil exploration and drilling. (J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

TENNIS FOR BEGINNERS (OF)

Former tennis champion Bill Tilden narrates and appears in the film to teach a boy how to play tennis. The boy is shown attempting each step, and the film ends with the beginner and the expert playing a game. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

TENNIS TACTICS

(TFC, Restricted to Classroom Use)

Here Fred Perry shows us the technique in practicing for sustained relays and for short placement. This is followed by illustrations of teaching technique for service, pivot shots, a spinning ball, and a service stance. Slow-motion photography is used extensively. (J-H-C)

One reel, 11 minutes
Rental, \$2.25

TERRITORIAL EXPANSION OF THE UNITED STATES FROM 1783 TO 1853 (IG)

Depicts the growth of the United States from colonial infancy to full continental stature. Animated maps are used extensively, and boundary disputes are clearly explained. The subject is portrayed in a manner to accord with modern teaching methods. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.50

TERRITORIAL POSSESSIONS OF THE UNITED STATES (IG)

Continuing the story of American expansion, the film covers in detail the acquisition of the insular possessions of the United States, and of Alaska and the Canal Zone. Animated maps are used to show the locations and sizes, and authentic scenes of the possessions are supplemented by original motion pictures of historical events and personalities. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.50

TESTING INTELLIGENCE WITH THE STANFORD-BINET (IU)

Consists chiefly of synchronous sound sequences showing the unrehearsed reactions of four children to selected items from the Stanford-Binet. The narrator supplies additional information where clarification is needed. The two six year olds tested have I.Q.'s of 104 and 156 respectively; the two ten year olds, I.Q.'s of 100 and 80, respectively. The children vary greatly in their performances on the test items shown, thus allowing for excellent comparisons and contrasts. (C)

One reel (800 feet), 18 minutes
Rental, \$3.50

TEXAS (MOT)

Impressive scenes of the Lone Star State that reveal its almost legendary wealth. Texans know that, as nations move toward self-sufficiency, Texas must balance its economy, look beyond its air and sea gateways to Latin America and the world, toward industrialization and diversification. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

TEXAS AND ITS NATURAL RESOURCES (USBM)

Describes the magnitude of the State's mineral and energy resources which have accelerated the diversity and rapid growth of industry. Agriculture, cattle and sheep raising, and transportation facilities as well as the variety of scenery and climate are depicted. Industries stressed include: petroleum and natural gas, sulphur, magnesium and chemicals. (Color) (H-C-A)

One reel (1600 feet), 43 minutes
Rental, \$1.00

THAT MAN SAMSON

(TFC, Restricted to Classroom Use)

A simple Negro's conception of the Samson story with Negro spirituals sung by the Hall Johnson choir.

The film opens with a Negro preacher addressing his congregation on the subject of Samson and Delilah. The drama of these two is then enacted as the congregation might imagine it.

The Lord converses with Samson. He is served

supper by his wife, who later cuts off his hair as he lies sleeping. Then Samson is led away by soldiers. Persecuted in the Temple, he pulls down the pillars, and walks away through the Philistine crowd.

Among the spirituals sung by the choir are "That Man Samson," "Go Down in the Lonesome Valley," "Dey Goin' to Deliver Our Enemies into Our Hands," "Come on Sampson," and "Didn't My Lord Deliver Samson?" (J-H-C)

One reel (800 feet), 25 minutes
Rental, \$3.00

THAT MOTHERS MIGHT LIVE

(TFC, Restricted to Classroom Use)

Story of a young doctor's fight against child-bed fever, and his discovery that the disease was spread by germs.

After a view of a sanitary, modern hospital, the scene changes to the maternity ward of a hospital of 94 years ago. Young Dr. Semmelweiss is giving a convalescing mother a final examination before her discharge. He discovers that her pulse beat has changed radically, and in 35 hours she is dead of child-bed fever, a disease which takes a tremendous toll and which is considered inevitable.

When an associate dies after having cut himself with an instrument, Dr. Semmelweiss concludes germs may be carried from the delivery room to the patients. The head of the hospital grudgingly agrees to a ruling that everyone must scrub his hands before handling patients, and the death rate drops.

Dr. Semmelweiss wants to publish the results of the experiment, but the hospital staff refuses to cooperate and demands his resignation. Whereupon he publishes a book that is not read, and eventually his mind breaks under the strain and he ends his days in the Vienna Insane Hospital. In time, however, his book is rediscovered, is read, and accepted in all parts of the world. Pastur, Lister, and many others were stimulated by it. (H-C)

One reel, 11 minutes
Rental, \$2.00

THEN IT HAPPENED (USDA)

Shows the great Maine forest fire of 1947. The picture contrasts the peaceful New England scene before the fire with the fury of the conflagration. The theme of the picture is: Be careful always. It happened in Maine — don't let it happen where you live. The tragedy and awful beauty of the fire is made more impressive by the excellent background music. (Color)

(General)

One reel, 11 minutes
Rental, \$2.00

THERE AIN'T NO SUCH ANIMAL

(TFC, Restricted to Classroom Use)

Off the great barrier reef of Australia, some of the world's strangest animals were filmed for this subject — the deadly stonefish, giant mantis pawn, Barrier Reef

starfish, walking fish, mud skipper, and giant turtles weighing over 350 pounds. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

THERE SHALL BE PEACE (ASF)

Depicts how the idea of peace, and the birth of the United Nations grew out of the cauldron of war. Deals with the struggle to preserve peace in the post-war world in the shadow of the atomic power. (J-H-C-A)

One reel, 10 minutes
Rental, \$2.50

THERMODYNAMICS (EB)

Deals with selected heat phenomena such as: molecular action in heat transfer, combustion, mechanics of the steam engine, steam turbine, gasoline and Diesel engines. The first and second laws of thermodynamics are explained. Both natural and animated photography vitalize the concepts involved. (H-C)

One reel, 11 minutes
Rental, \$2.00

THESE ARE THE MEN (OWI)

The film bitterly brings the condemnation of the peoples of the world down on the heads of the four Nazi leaders—Hitler, Goebbels, Goering and Hess. Worked into the film are scenes showing how the Nazi leaders are debasing and poisoning the minds of the youth of Germany. (H-C)

One reel, 11 minutes
Handling charge, \$2.00

THESE FISH ARE YOURS (WLF)

The complete life cycle of the trout which are found in streams on the eastern slopes of the Rocky Mountains. Includes pictures of the golden trout, rainbow or brook trout, and Mackinaw or lake trout. (J-H-C-A)

One reel (1200 feet), 28 minutes
Rental, \$3.50

THEY LIVE AGAIN

(TFC, Restricted to Classroom Use)

This is the remarkably true drama of Dr. Banting's search for a cure for diabetes. Once, after weeks of painstaking research, Banting thought he had a cure. A diabetic dog was brought out of a coma and leaped happily about the laboratory. Dr. Banting and his assistant joyfully take the day off. In the morning the diabetic dog is dead. Again the work is resumed. Then one day in walks Dr. Gilchrist, a medical classmate of Dr. Banting. Gilchrist is dying of diabetes and he offers himself to Banting as a laboratory subject. True to the facts, Gilchrist recovers. Insulin is the weapon man now uses to defeat the once incurable disease, diabetes. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

THINGS EXPAND WHEN HEATED (YA)

Demonstrates by animation and simple photography the movements of molecules before and after heat is applied, showing that their accelerated movement requires more space and therefore causes expansion. It uses many concrete examples. (I-J)

One reel, 11 minutes
Rental, \$2.00

THIRSTY LAND (KB)

The tremendous importance of water to the dry lands of Arabia and the middle east is strikingly presented. How ditches are used to lead water to fields, ancient water wheels used to lift water from wells and onto fields, and the tense anxiety when there is no rain. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

THIS CHARMING COUPLE

See

MARRIAGE FOR MODERNS: THIS CHARMING COUPLE

THIS IS ALUMINUM (USDI)

Illustrates the use of aluminum in transportation, in the home, in building, and in industry. Shows sources of bauxite from which aluminum is extracted and countries in which the mineral is found. Next is shown the mining of bauxite: Removal of dirt and gravel, cleaning, drilling, blasting, and loading. Depicts crushing, washing, screening, kiln drying, and shipment of ore. There follow scenes of removal of impurities from aluminum oxide, mixing bauxite with caustic soda solution, digesters which convert solution to sodium aluminate, filtering impurities, and sodium aluminate tanks in which aluminum hydroxide is precipitated.

Removal, washing, and heating of aluminate hydroxide in kilns. The resulting chemical, alumina, is shipped to points where electricity is cheap. Shows mixing of coke and pitch for making carbon electrolytic cell in which aluminum is made, tapping molten metal, casting pigs, remelting pigs to remove dross and electrolyte, charging furnace and casting ingots. (I-H-C)

One reel (1200 feet), 28 minutes
Handling charge, \$1.00

THIS IS ECUADOR (OIAA)

An educational and entertaining film on Ecuador stressing the strategic importance of the Galapagos Islands, and their nearness to the Panama Canal, the life line of the Americas. There are scenes of the islands showing the wide variety of plant and animal life that exists there. There is also an analysis of Ecuador's resources. (General)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

THIS IS OUR LAND (EC)

To highlight the importance of soil conservation and to help America's farmers prevent further devastation of their soil by wind and rain, is the objective of this film. (H-C)

One reel (1200 feet), 26 minutes
Handling charge, \$1.00

THIS IS THE MOON (YA)

Explains the relation of the moon to the sun and the earth, how the moon gets its light, the phases of the moon, and its physical characteristics. (I-J)

One reel, 11 minutes
Rental, \$2.00

THIS SPANISH-SPEAKING WORLD (GAF)

This picture takes us on a flying trip to the Iberian Peninsula. We trace the origin and development of the word "Spain" and the history of the Peninsula. We then become acquainted with the various types of Spaniards. We move to the Western Hemisphere. In the Spanish America we see people at work and at play which familiarizes us with the wide variety of people and types of people whose native language is Spanish. We visit Mexico, Argentina and Cuba. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

THIS THEATRE AND YOU (WB)

Depicts the role of the theatre and the man who runs it, not only in relation to the motion picture industry, but also in relation to each community. Includes excerpts from dramas, musical productions, adventure films, travelogs, animated cartoons, and newsreels. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.50

THIS WORLD OF OURS — MANITOBA (NFBC)

A colorful parade of Manitoba's attractions for the holiday-maker, with pictures of its sports facilities, scenic beauties, main cities and industries. From the United States border to northern wilderness, the camera takes us across the Province, dwelling on characteristic scenes along the way: broad wheat fields, busy cattle yards, the provincial fair at Brandon, and the ideal vacation-land of Riding Mountain National Park. (Color) (General)

One reel, 11 minutes
Handling charge, \$1.00

THOMAS JEFFERSON (EB)

Outlines the career of Jefferson by dramatizing incidents that characterize him best. Includes scenes of writing the Declaration of Independence, contributions to social reform, success as minister to France and as secretary of State, political campaign for Presidency, the Louisiana Purchase, the commissioning of Lewis

and Clark, and his founding of the University of Virginia. (I-J-H)

One reel (800 feet), 20 minutes
Rental, \$3.00

THOUSAND DAYS, THE (OWI)

Shows how the factories of Canada were converted to war production and how from them came guns and tanks and shells. It shows how Canada has become a haven for English children bombed from their homes, an internment camp for Nazi prisoners, etc. In short, it shows the changes made in Canada during her 1,000 days of war. (J-H-C)

One reel (800 feet), 21 minutes
Handling charge, \$2.50

THREE CITIES (OWI)

Three typical American war-industry cities and how the war-workers in each tackled and solved the problem of living is the subject of this Office of War Information film. The film is of special value in areas which have had a great increase in population due to the war. (H-C)

One reel, 10 minutes
Handling charge, \$2.00

THREE COUNTIES AGAINST SYPHILIS (USDA)

Shows how the control of syphilis is being effected in the three South Georgia counties of Camden, Glynn, and McIntosh, through the use of a trailer clinic. The public health campaign against syphilis is shown first in the cities, where clinics provide treatment. For the country districts, a mobile clinic is used in an automobile trailer to go to the patients. The work of finding the patients, making tests, and the treatments are shown. The subject of the film is treated in a delicate manner so that the film is suitable for showing to any audience. Produced in 1939 by the U. S. Public Health Service; accompanying music by Hampton Institute Choir; narrated by Alois Havrilla. (H-C)

One reel (800 feet), 19 minutes
Rental, \$2.50

THREE FOX FABLES (EB)

With life photography, this film recaptures all the fascination of three of Aesop's best loved fables: "The Fox and the Grapes," "The Fox and the Crow," and "The Fox and the Stork." Ingenious direction of real animals in attractive woodland setting brings to life the famous stories told and loved for centuries. (Primary)

One reel, 10 minutes
Rental, \$2.00

THREE LITTLE BRUINS (UW)

In this film concealed cameras steal amazing, intimate, action shots of baby bears and many timorous creatures of the wild. They will amaze you, and make you marvel at the human things they do. Only invisible

people could see the wild things of the woods as this great film shows them. (P-I)

One reel, 11 minutes
Rental, \$2.00

THREE LITTLE BRUINS MAKE MISCHIEF (Castle)

A hilarious story of three small bears who, one day, wander out of their forest and happen upon a farm. Their visit involves encounters with such oddities—to a bear—as a cow, a goose and a horse. Then they find the kitchen which, naturally, complicates things. (General)

One reel, 11 minutes
Rental, \$1.50

THREE LITTLE KITTENS (EB)

While these little kittens put on no mittens, they do capture the interest of all who follow them during their active experiences. Discovered in the barn with their mother by a farmer's wife, they provide an opportunity for learning about the characteristics of cats in general. When about two weeks old, the kittens are carried by their mother to a new home in an old buggy, where they learn to feed, clean themselves, and to play. Later they have a skirmish with a dog and learn to catch mice. Finally, two of the kittens are given to local tradesmen by the farmer's wife. (P-I)

One reel, 11 minutes
Rental, \$2.00

THREE MORE LITTLE PIGS GO TO MARKET (PCA)

Shows sanitation practices being used by hog producers; combination pasture and concrete feeding floors, pasture systems and confinement systems. (Color) (H-C-A)

One reel (800 feet), 20 minutes
No charge

THREE TO BE SERVED (NAM)

Is based upon Frederick Crawford's concept of the "American Triangle of Plenty," which aroused such favorable comment in his address and in a Readers' Digest article of 1943. The picture tells a simple human story explaining the principles that have made America prosperous and suggesting constructive thinking on the problems of the postwar period. (J-H-C)

One reel (1200 feet), 27 minutes
Rental, \$3.00

THREE WISHES, THE (ASF)

Presents the story of a peasant who aids two gnomes and is rewarded with three wishes. The peasant wastes the first wish on his supper; his wife loses the second wish through anger; and the last wish is lost to repair

the damage done by the second wish. Stresses the moral that greed does not pay. (P-I)

One reel, 11 minutes
Rental, \$2.50

THROWING IN BASEBALL (EB)

Explains, with comprehensive action and commentary, the various techniques to be mastered in learning to throw a baseball effectively. Professional players furnish demonstrations which are made remarkably clear by such unique motion picture devices as stop-motion, slow-motion, and close-up photography. Four throws are analyzed: the overhand, the three-quarter, the sidearm, and the underarm. (J-H-C)

One reel, 11 minutes
Rental, \$2.25

THRUSHES AND RELATIVES (EB)

The habitats, feeding habits, brooding, development and activities of the Bushtit, Chickadee, Hermit-Thrush, Russet-backed Thrush, Robin, Bluebird, and Water Ouzel are revealed by spectacular photography. Natural sounds of the different bird calls and songs render the production unusually valuable as an instructional aid. It is of interest to students of all ages and contributes materially to a better understanding and appreciation of birds and their value to mankind. Animated drawings visualize habitats and migration. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

THUNDER AND LIGHTNING (YA)

Explains thunder and lightning in simple terms. Combines the cause of lightning with the rubbing together of certain objects causing them to become charged with electricity. Discusses protective measures against electrical storms. (I-J)

One reel, 11 minutes
Rental, \$2.00

THUNDERING WATERS (NYC)

Points out the glacial relationship of Niagara Falls in the topography of the Great Lakes Region, and portrays the many points of interest which have drawn innumerable sightseers to the scenic area. (Color) (General)

One reel (800 feet), 22 minutes
Handling charge, \$1.00

TIME AND MOTION STUDY PRINCIPLES (UIO)

Shows the most important principles of motion study and illustrates how these principles may be applied to specific operations.

One reel (800 feet), 21 minutes
Rental, \$3.00

TIME AT SEA (USN)

Shows the workings of the ship's clock and its record. Time and time errors are discussed. (H-C)

One reel (800 feet), 18 minutes
Rental, \$2.50

TIME TO SPARE (MCS)

This film shows some of the activities of a one-teacher school where progressive teaching methods and thoughtful time-block planning provide "time to spare" for enriched individual and group teaching.

One reel (800 feet), 22 minutes
Rental, \$2.50

TIN FROM BOLIVIA (USBM)

Primitive methods of producing tin are contrasted with present-day processes. Scenes from a Bolivian mining village and mining methods as well as smelting processes are well photographed. (J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

TIN FROM MALAYAN JUNGLE (HFE)

Clearly demonstrates the interdependence of the world through the exchange of goods. To effectively mine the rich tin deposits of Malaya, workers and machinery come from all over the world, and the refined tin is sold in many countries. New and old methods of production are contrasted and questions concerning standards of living and of conservation of natural resources are proposed. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

TINPLATE (USBM)

Portrays the manufacture of tinplate, basic material of the 50 million tin cans that Americans use every day. A brief history of methods of making tinplate is followed by a step-by-step description of the modern methods: hot dip and electrolytic. Narration is in non-technical language. (Color) (J-H-C)

One reel (1200 feet), 27 minutes
Handling charge, \$1.00

TINY WATER ANIMALS (EB)

The life processes and activities of amoebae and paramecia are shown. The activities of the amoebae are given major emphasis. The film also reveals other interesting creatures such as the wheel animalcule, chloeden, swan animalcule and stentor. Microphotography makes this an unusually interesting picture. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

TO MARKET, TO MARKET (F)

Shows the flow of business from the producer through the different middlemen to the retailer and consumer. (Color) (J-H-C)

One reel, 11 minutes
Rental, \$2.00

TODAY'S CHICKS (USDA)

Today's chicks are produced by a highly specialized industry of more than 9,000 commercial hatcheries. Many of these hatcheries operate under the National Poultry Improvement Plan. Scenes cover the basic operations of this program including selecting breeders, methods of testing them for pullorum disease, sanitation procedures in the hatchery and in the field, and the production of pedigreed breeding stock. Emphasis is given to the point that raisers of poultry should carefully choose their sources of chicks. (Color) (H-C-A)

One reel (800 feet), 18 minutes
Rental, \$3.00

TOMMY'S DAY (YA)

Is designed to teach some simple health habits and to provide the child with an orientation to the understanding of a simple pattern of everyday life. (P)

One reel (800 feet), 15 minutes
Rental, \$3.00

TOMORROW'S MEXICO (MOT)

As a result of Mexico's war production record they are in the midst of industrial expansion. However, even more important than the economic boom is the Mexicans' determination to throw off the bonds of ignorance and raise the standard of living. (J-H-C)

One reel (800 feet), 17 minutes
Rental, \$2.50

TOP LINER (BIS)

This is the story of the largest ocean liner, the *Queen Elizabeth*. Her staff and crew are so efficiently organized that the 83,000 ton ship can carry 2,314 passengers across the Atlantic in maximum comfort and can be prepared for the return voyage in two days. The film depicts the *Elizabeth's* luxurious accommodations and her efficient power plant. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$2.50

TORONTO SYMPHONY ORCHESTRA (NFBC)

Sir Ernest MacMillan conducting the Toronto Symphony Orchestra in the Jamaican Rhumba by Benjamin, A St. Mala by MacMillan, and Overture to Opera Colas Breugnon by Kabalevsky. (H-C)

One reel, 11 minutes
Rental, \$2.00

TOUCHDOWN THRILLS OF 1950 (OF)

Short "clips" of highlights from the following football games of the 1950 season: Purdue vs. Notre Dame; Army vs. Harvard; Kentucky vs. Georgia Tech; Ohio vs. Northwestern; Texas vs. Southern Methodist; Princeton vs. Cornell; Oklahoma vs. Texas. (J-H-C-A)

One reel, 9 minutes
Rental, \$2.00

TOWN IN OLD MEXICO, A (OIAA)

Puebla, Orizaba, and Fortin de las Flores are the three villages seen in the beautiful color film which is narrated by Orson Welles. Seventeenth Century buildings of extraordinary architectural merit, and interiors of homes still in use are shown as classic examples of the architecture of the Spanish conquistadores. In Fortin de las Flores, flowers grow in such profusion they perfume the countryside for miles around. (Color) (General)

One reel, 10 minutes
Handling charge, \$2.00

**TRACKING THE SLEEPING DEATH
(TFC, Restricted to Classroom Use)**

David and Mary Bruce are sent to Uganda by the British government to search for the cause of sleeping sickness plague that has broken out among the natives. They eventually discover that the germ is carried by the tsetse fly.

The Bruces, who had fought plagues and epidemics in all parts of Africa, have retired, but answer the call to go to Uganda. The natives of the interior beat their drums to a rhythmic message urging that all whites be driven out.

In a spinal fluid taken from a sick native, Bruce finds a germ he knows is carried by the tsetse fly. This fly is not thought to exist in Uganda, but after days of search, he finds that it does. The microscope reveals that it carries the germ.

He urges the natives to leave that section of the country and is resisted by the witch doctor. After the witch doctor refuses to put his hand into a screened box of tsetse flies, however, the natives lose confidence in him and take Bruce's advice. (J-H-C)

One reel, 11 minutes
Rental, \$2.25

**TRADE AND INDUSTRY — GREAT BRITAIN
(UW)**

Great Britain became a great world power because of her intensively developed industrial potential, a large highly skilled labor force, a transportation system and shipping facilities which have made it possible to import raw materials and ship out manufactured goods at low cost. The film opens in London, nerve center of the British Empire. It shows London, the metropolis, the port, financial headquarters and government seat. An animation sequence locates Britain's industries,

natural resources, and transportation facilities. The film then takes us to Newcastle, industrial town in northern England. The film presents a British family and follows its various members as they go about their tasks in shipyards, factories, and coal mines. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

**TRADING CENTERS OF THE PACIFIC COAST
(C)**

Beginning with a uniquely animated map and following with live action photography which captures the vitality of Seattle, Portland, San Francisco, Los Angeles and San Diego, this film illustrates the components that make a small trading post grow into a large trading city. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

TRANSFER OF HEAT (YA)

Illustrates and explains the principles by which heat is transferred from one point to another, by conduction, convection and radiation. (J-H)

One reel, 11 minutes
Rental, \$2.00

TRANSPORTATION (BUS-TRUCK-TAXI) (VGF)

The kind of jobs, in general, several million people have in the bus, truck and taxi business forms the basis of this film. Several jobs are briefly analyzed so as to point out the traits of character and personality required. Recommended for use in guidance classes. (J-H)

One reel, 11 minutes
Rental, \$2.00

TRANSPORTATION IN THE U. S. (MOT)

Every year a ton of freight must be transported more than 4000 miles to keep the average U. S. citizen supplied with basic necessities. As the film shows it takes the concerted efforts of all forms of transportation — railroads, airplanes, trucks, buses, ships — to meet these requirements. (General)

One reel (800 feet), 18 minutes
Rental, \$2.50

**TREASURE FROM THE SEA — MAGNESIUM
(USBM)**

Magnesium, the lightest of the structural metals, is obtained from the sea. Unlike the pirate's treasure with its monetary value, magnesium's value lies in its light weight, thus releasing more energy for work in such machines as locomotives, airplanes, and automobiles. (Color) (J-H-A)

One reel, 11 minutes
Handling charge, \$1.00

TREASURE HOUSE (RKO)

Takes you into the Smithsonian Halls to see a history of aviation, the rare gowns of the Presidents' wives, to supervise the preparation of half a million animal specimens. It takes you out on jungle expeditions to find the lost secrets of ancient civilizations, to Bikini to measure atomic bomb effects, to Brazil to chart the sun's course in an effort to rob the solar system of its secrets. (General)

One reel (800 feet), 17 minutes
Rental, \$2.50

TREASURE ISLAND

(TFC, Restricted to Classroom Use)

A school abridged version of the feature-length dramatization of Robert Louis Stevenson's book. (I-J-H)

One reel (1600 feet), 40 minutes
Rental, \$5.00

TREE GROWS FOR CHRISTMAS (UW)

The story of the Christmas tree in history and legend and the Christmas tree industry of today. Shows that cutting of trees for decoration is not a wasteful practice. On the contrary, when properly done, it is a good forestry practice. Trees are cut and marketed and the proper methods of handling the tree after it is brought home are illustrated. The picture ends with a short sequence on trimming the tree for Christmas Day. (Color) (General)

One reel, 11 minutes
Rental, \$3.00
Rental, \$4.00 in December
(one day)

TREE IN A TEST TUBE (USDA)

Stan Laurel and Oliver Hardy show the many things the average man uses which are made of wood. The Forest Products Laboratory at Madison, Wisconsin, has been developing new and better uses for wood, thereby releasing metals, etc., for war needs. The film also shows some of the tests to which these products are subjected before they are offered for public or military use. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

TREE OF LIFE, THE (USDA)

A peaceful opening sequence of majestic natural beauty is followed by one which quickly builds a picture of mass destruction of the U.S. timber resources through unplanned lumbering. A plan for the restoration and protection of the nation's trees is presented. (J-11-C)

One reel (800 feet), 20 minutes
Rental, \$2.50

TREES FOR TOMORROW (AFP)

Tells the importance of our renewable forest resource with emphasis on the improved scientific man-

agement of tree-producing lands. It shows both early American and modern utilization of wood and how trees are grown for tomorrow. (J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.50

TREES TO TAME THE WIND (USDA)

Depicts not only the success of windbreaks but their effects on the lives and fortunes of those who have taken advantage of them. (General)

One reel (800 feet), 25 minutes
Rental, \$2.00

TREES TO "TRIBUNES" (CT)

Utilizing splendid photography, narration, and orchestral accompaniment, this film presents the pictorial story of producing a modern metropolitan newspaper, the *Chicago Tribune*. The film has three main divisions presenting: the gathering of pulpwood, making newsprint, and producing a newspaper. (Color, B&W) (J-H-C)

One reel (1600 feet), 45 minutes
(color)
One reel (1200 feet), 30 minutes
Handling charge, \$1.00

TRIODE (USOE)

Reviews the diode principle, compares the diode and triode, explains the triode amplifier circuit, amplification of D. C. voltage changes, amplification of alternating voltages, distortion, and amplification of audio-frequency signals. (J-H-C)

One reel (800 feet), 14 minutes
Rental, \$2.50

TRIUMPH WITHOUT DRUMS

(TFC, Restricted to Classroom Use)

The story of Dr. Harvey W. Wiley and his struggle to secure the enactment of the Pure Foods and Drug Bill is effectively told. He became interested in the problem when, during the Civil War, he became a victim of ptomaine and was rendered unfit for further active duty. Honorably discharged, as a food casualty, he undertook an intensive research into the chemistry of foods in search for the cause of ptomaine from canned foods. During the research he discovered the unwholesome conditions under which much of the packaging of foods was taking place. After several defeats at the hands of lobbyists for the packing interests, his campaign was finally crowned with success through the support of President Theodore Roosevelt. (J-H-C)

One reel, 10 minutes
Rental, \$2.25

TROOP TRAIN (OWI)

Today's armies move on wheels—swiftly, surely over the steel rails that bind America together. Orders come to move the 201st Armored Division from "X"

to "Y". From the traffic control center in Washington go orders obtaining the necessary cars and locomotives, routing them to "X", clearing a right of way to "Y". The film shows the regular routine of the soldiers aboard a troop train. (J-H-C)

One reel, 11 minutes
Handling charge, \$2.00

TROPICAL LOWLAND — THE AMAZON RIVER, BRAZIL (UW)

In this film, we study life in a large, hot, humid lowland dominated by forests. Although this area is rich in tropical products, it is sparsely populated. In the film, we see native families in their river front jungle homes, engaging in primitive subsistence farming, and gathering forest products, such as wood and nuts. The only connection with the outside world is the Amazon River, down which the natives make trips to small trading posts where river steamers collect their jungle products for transport to the port of Manaus, from whence they are shipped to all parts of the world. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

TROPICAL MOUNTAIN LAND — JAVA (UW)

To know the people of Java is to know the land and all it has given them. Here is great wealth in oil, rubber, teak, quinine and the soil itself because it is constantly enriched and renewed by volcanic ash. The story is focused upon four men of a train crew. Their route is from coastal plain to mountain slope — from urban to rural scenes — from people employed in industrial activities to simple farmers dependent upon the soil. At the end, you know Java, you understand why fifty million people can earn a living on an island the size of New York State. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

TRUCK FARMER, THE (EB)

Treats the geography of the Rio Grande delta and provides authentic recordings of the problems and activities of a truck farmer and his family. The labor question with respect to the employment of Mexican families for field work is portrayed. Planting, irrigating, spraying, harvesting, packing, and shipping truck crops are shown in detail. Scenes of the farmer's home life focus attention upon living standards made possible by the application of scientific farming methods. (P-I-J)

One reel, 11 minutes
Rental, \$2.00

TRUCKS THAT SERVE OUR CITY (TOM)

Shows how trucks serve a modern city in respect to communication, food supply, sanitation, construction, and as a link between residents and railroads. (P-I)

One reel (800 feet), 14 minutes
Rental, \$2.00

TRULY YOURS: THE DRESS THAT FITS (USDA)

A "how to do it" film by the Bureau of Human Nutrition and Home Economics of the U. S. Department of Agriculture. Expert advice is given on the buying of clothing and household textiles. Problems of dress size, cut, and construction are discussed with emphasis on garment alterations at home. (Color) (H-C-A)

One reel (800 feet), 20 minutes
Rental, \$4.00

TUBERCULOSIS, ITS DIAGNOSIS, TREATMENT, CONTROL (EB)

Develops a general understanding and appreciation of the nature, prevention, diagnosis and treatment of pulmonary tuberculosis. Processes of primary infection and reinfection of the lungs are shown by animated photography. Photomicrography reveals tubercle bacilli surrounded by body defense cells. Tuberculin tests and X-ray examinations are demonstrated along with hospital treatments, including pneumothorax. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

TUBERCULOSIS IN POULTRY AND SWINE (USDA)

Shows sections where T. B. is prevalent and also gives ways by which it may be controlled. (J-H-C)

One reel (800 feet), 15 minutes
Rental, \$2.00

TUGBOATS (EB)

In this film the tugboat is followed as it pulls a freighter out of its berth at the dock to begin a long ocean voyage; as it tows a large oil barge across the harbor; and finally, as it joins with a number of other tugs to dock a giant ocean liner. (P-I)

One reel, 11 minutes
Rental, \$2.00

TUNISIAN TRAVELS

(TFC, Restricted to Classroom Use)

There are scenes along the ancient road to Carthage and in the present-day city of Tunis. Old Roman ruins and a native village in the desert are shown. In Tunis the modern buildings are contrasted with native bazaars and the dazzling white of the Arab buildings. (I-J-H-C)

One reel, 9 minutes
Rental, \$2.25

TURKEY (MOT)

Traces Turkey's history from the days when Constantinople was the capital of the Ottoman Empire to the present-day dictator-like government of Ismet Inonu and the continuing struggle to retain control of the vital Dardanelles. (General)

One reel (800 feet), 18 minutes
Rental, \$2.50

TURNING TWO DIAMETERS (PTC)

Traces the operations that are necessary to turn a gear blank with its shaft, from a solid piece of round stock. Turning the piece to rough size, laying off the gear blank, rough and finish turning the shaft, rough and finish facing, and facing to length are shown. A brief summary of the sequence of operations closes the picture. (H-C)

One reel (800 feet), 22 minutes
Rental, \$2.00

TWO VIEWS ON SOCIALISM (C)

Designed to stimulate an intelligent discussion on the difference between socialism and capitalism. It helps students to gain a necessary understanding of socialism. The basic charges levelled by socialists against the capitalistic society are made and effectively answered. (J-H-C-A)

One reel (800 feet), 16 minutes
Rental, \$3.00

TWO WAY STREET (OWI)

This short subject gives an account of how Lend-Lease worked for the benefit of all the United Nations all four years from the time it started to the present. (General)

One reel, 8 minutes
Rental, \$2.00

UN GRAND VERRIER (FSL)

Mariont, outstanding artist-artisan, is shown at work in the quarters of a glass factory, where he is permitted to carry on his original creations after hours. A large portion of the film has no verbal narration, but an original musical score to accompany the artist as he plans and executes his work of art. Narration in French. (J-H-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.00

UNDER SOUTHERN STARS

(TFC, Restricted to Classroom Use)

This is a fictionalized story of the Civil War battle of Chancellorsville and of events preceding it on the Confederate side. Just before the battle, Jackson and Lee attend a party at a southern home where they discuss Hooker's plans and outline their own campaign. The daughter of the house, having overheard the soldiers question the loyalty of her lover, appeals to Jackson, who treats the incident lightly and sends the boy to Lee with a humorous message. Jackson had agreed to signal Lee when to attack Hooker, but since he is mortally wounded, he sends a most urgent message to Lee by the same boy who carried the humorous note. The boy delivers his message and the battle is won. Lee rewards the boy with a captaincy. In technicolor. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$5.00

UNDERSTAND YOUR EMOTIONS (C)

Effect and importance are just two of the many points brought to light and analyzed in this production. A general understanding of emotions, what they are, what they do, where they come from, and how they are changed is developed. Shows that emotions have many effects on the body, both on voluntary behavior and on involuntary behavior, and that people have different emotional responses to the same stimulus pattern. (J-H-C-A)

One reel (800 feet), 14 minutes
Rental, \$3.00

UNDERSTANDING BASKETBALL (YA)

Introduces the game of basketball to boys and girls. A basketball coach explains the basic rules and play of the game, including such things as scoring, fouls, etc. He also points out the common rules of courtesy to be followed by spectators. (I-J-H)

One reel, 10 minutes
Rental, \$2.50

UNDERSTANDING MOVIES (MGM)

Presents illustrations of excellence in directing, acting, photography editing, and art and music. Scene from *Tennessee Johnson* illustrates good direction; one from *The Good Earth* demonstrates acting; shots from *Treasure Island* present beautiful photography; a sequence from *David Copperfield* shows skillful editing; and the Capulet ball from *Romeo and Juliet* provides an example of fine art and music. (J-H-C-A)

One reel (800 feet), 17 minutes
Rental, \$3.50

UNDERSTANDING YOUR IDEALS (C)

What are ideals? Why are they so important to well-being and happiness, and what do they have to do with character? These and other questions about ideals are answered in this film. A high school boy who has false conceptions of ideals finds the right objectives and goals to aim for. Specifically, the film tells and shows what ideals are, and how they influence and are influenced by character. (J-H-C)

One reel (800 feet), 14 minutes
Rental, \$3.00

UNDERWATER ADVENTURE (SF)

Underwater photography of fish and sea animals in captivity at Marineland, Florida. Includes sharks, the barracuda, pilot fish, and others. Leaping porpoises are fed by hand and the cormorant bird which chases fish under water is shown. (J-H-C-A)

One reel, 10 minutes
Rental, \$2.00

UNE FAMILLE BRETONNE (EB)

This is the story of the EB Film, French Children, told in simple French by a teacher-narrator, born in France and trained in the teaching of French to American pupils. Told in the present tense and avoiding all subjunctives, the narration is leveled at the needs of beginners and provides valuable practice in the understanding of spoken French. The film portrays family life on a farm in Brittany in western France. It illustrates the work of each member of the family and includes scenes of typical activities in the village school and a neighboring town. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

UNION AT WORK (CIO)

The story of how a union works to give everyone a better understanding of the U.S. labor movement. Tells the aims, achievements, and activities of a modern labor union, including who is in it, what it does for membership, and how it does it. (H-C-A)

One reel (800 feet), 24 minutes
Rental, \$3.00

UNITED NATIONS IN WORLD DISPUTES, THE (Castle)

Reviews four major disputes that since 1945 have threatened world peace — Indonesia, Palestine, India and Korea — and demonstrates how the UN was successful in resolving each one. (H-C-A)

One reel (800 feet), 21 minutes
Rental, \$3.00

U.S. COAST GUARD SONG (OWI)

The little known but magnificent song of the Coast Guard, "Semper Paratus," is the background for a complete four-minute story of Coast Guard training and action. (General)

One reel, 4 minutes
Handling charge, 50 cents

U.S. COAST GUARD SPARS (OWI)

The SPARS are replacing many men who are placed in active duty. These women have the same rating, the same pay, the same responsibilities, and the same privileges as the men they replace. They are doing their part to win the war. (H-C)

One reel, 6 minutes
Handling charge, \$2.00

U. S. COMMUNITY AND ITS CITIZENS, A (UW)

The facts that all of man's needs cannot be satisfied directly from the earth and that to supply many of these needs, people live together in communities are lucidly portrayed in this film. In a community which has thousands of counterparts throughout this country

and many parts of the world, we see the actual functioning of community life and services as we spend a day with a group of school children who are making a survey of their town as a school project. (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$3.00

U.S. NEWS REVIEW — NO. II (OWI)

The second issue of the U.S. News Review covers the five following subjects: unnecessary travel, mobile laundry for front line troops, Alcan Highway, jungle fighting, and the Marine Hymn. (J-H-C)

One reel (800 feet), 19 minutes
Handling charge, \$2.00

U.S. NEWS REVIEW — NO. III (OWI)

Issue Number III covers the following six subjects: a plywood bomber, fixit, a report from New Guinea, Liberators blast Naples, a letter from Hocking, and United States Coast Guard song. (J-H-C)

One reel (800 feet), 19 minutes
Handling charge, \$2.00

U.S. NEWS REVIEW — NO. IV (OWI)

The fourth issue of the U.S. News Review contains the following stories: the raider of Timor, army salvage, we guard Britain's books, good news from the fishing front, battle in the Caucasus, and "thingummy-bob." (J-H-C)

One reel (800 feet), 17 minutes
Handling charge, \$2.00

U.S. NEWS REVIEW — NO. V (OWI)

This series includes the latest safety styles, care of children, a 1000-plane raid, an absenteeism cartoon and the Air Corps Song. (H-C)

One reel (800 feet), 16 minutes
Handling charge, \$2.00

UNIVERSITY OF ILLINOIS CONCERT BAND (UI)

Dr. A. A. Harding, one of the leaders in the school band movement and Director of Bands at the University of Illinois for thirty years is pictured in this film directing his farewell performance with the University Concert Band. Some of the highlights of this last concert and traditional features of previous performances appear in the movie. The entire score of Harding's band arrangement of "Psyche and Eros," two Sousa marches, and three traditional University songs comprise the film program presented. An unusual feature of the film is several face-on close-ups of Dr. Harding during this concert. (Color) (General)

One reel (800 feet), 22 minutes
Rental, \$3.50

**UNIVERSITY OF ILLINOIS MARCHING BAND
1947 (UI)**

The early part of the film shows the band members preparing for a trip to New York City, their departure, and arrival. Scenes of band formations for the Army game in Yankee Stadium are followed by band formations and stirring music from all home games of the '47 schedule. (Color) (H-C-A)

One reel (1600 feet), 44 minutes
Rental, \$4.00

UNSEEN WORLDS (GAN)

In this film the RCA electron microscope is described. The picture opens with shots depicting Anthony van Leeuwenhoek and Louis Pasteur using microscopes. Differences between light and electron microscopes, and the development of the electron microscope as a logical result of research in television and facsimile are explained. The film closes with some suggestions on the various applications of this new and powerful instrument to the problems of research in medicine, industry and government. (H-C)

One reel, 10 minutes
Handling charge, \$2.00

UNVEILING ALGERIA

(TFC, Restricted to Classroom Use)

Shows the contrast between an ancient native city and a modern French metropolis set side by side on a beautiful harbor in North Africa. Algiers with its romantic past, second great seaport in the French Empire, rises majestically above one of the world's most beautiful harbors; the mark of the Orient is on it. (I-J-H-C)

One reel, 10 minutes
Rental, \$2.25

URBAN COMMUNITY IN AMERICA, THE (UI)

Gives reasons for growth of urbanism in America; states that urbanism seems destined to control American culture for centuries to come. Analyzes structural units of urban society according to the Burgess concentric circle theory. Gives reasons for the growth of slum areas and lists ways in which these can be overcome. Scenes are from Chicago, Milwaukee, Indianapolis, St. Louis, and smaller cities. (Color) (C)

One reel (1600 feet), 40 minutes
Rental, \$7.00

URUGUAY (OIAA)

A pictorial journey to the comparatively prosperous little country of Uruguay which in many ways resembles the United States in its liberal, independent, and advanced social and political life. Produced by Julien Bryan, this film indicates the relative ease, wealth, and contentment of its people, as well as the agricultural and economic basis of the country's good fortune. (J-H-C)

One reel (800 feet), 16 minutes
Handling charge, \$2.00

USE OF FORESTS (C)

A fishing pole or a daily newspaper, maple syrup or a rayon dress—all come from wood. Few people actually realize the myriad uses of our forests. In this film, the great forest areas of the country are shown with the various types of trees, and the various uses of wood and wood products are pointed out. (I-J-H)

One reel, 10 minutes
Rental, \$2.00

USEFUL KNOTS (USOE)

This picture shows how many commonly used knots are tied. Each knot is pictured as it is tied at normal speed, then a detailed voice instruction is given while the knot is tied twice at slow motion speed, and then again at normal speed. In addition to showing how the knots are tied, this picture also explains some of the uses of the various knots. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$2.50

USING THE BANK (EB)

By means of animated drawings, live action photography and direct sound, film dramatizes the ways in which banks perform saving account, checking account and loan services for the citizen. Close-up photography gives students an intimate acquaintance with many banking operations making relevant arithmetic problems more meaningful. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

USING THE CLASSROOM FILM (EB)

Demonstrates an approved procedure for teaching with motion pictures which is based upon years of research and experimentation. The film used for demonstration is *The Wheat Farmer*; the class is a seventh grade social studies group studying how the world is fed. (General)

One reel (800 feet), 20 minutes
Rental, \$3.50

USING VISUAL AIDS IN TRAINING (USOE)

An instructor, teaching his class the use of the micrometer, follows a carefully planned procedure involving the use of a training motion picture, a coordinated filmstrip, and an instructor's manual. (C)

One reel (800 feet), 14 minutes
Rental, \$2.00

VACUUM TUBE IN RADIO, THE (EB)

In this film animated drawings clearly show the way in which vacuum tubes work. The three functions of the vacuum tube in radio are carefully explained: how it serves in amplifying current to operate the loud-speaker, how it is used as a rectifier in detection, and how it is used as an oscillator tube in the transmission station to produce the carrier wave. The film content

correlates with physics, electricity, electronics, radio, aeronautics, general science, industrial arts, and engineering courses. (H-C)

One reel, 10 minutes
Rental, \$2.00

VALLEY OF TEN THOUSAND SMOKES, THE
(TFC, Restricted to Classroom Use)

The film story of Father Hubbard's expedition to explore the region in Alaska where great volcanic upheavals have destroyed vegetation and left residues of gas vapors which give the appearance of smoke. Father Hubbard and his party find the heat of the region decreasing since his previous visit indicating the possibility of nature recovering from the volcanic destruction. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.25

VALE BRILLANTE (OF)

Alexander Brailowsky, one of our greatest pianists, offers an unprecedented opportunity to study virtuosity from every angle in his presentation of Chopin's "Valse Brillante." (J-H-C)

One reel, 5 minutes
Rental, \$1.50

VECTORS (USN)

Vectors, changes in angle or magnitude, how vectors are plotted, and how the resultant is found are demonstrated. (C)

One reel, 12 minutes
Rental, \$2.00

VELDT, THE (TFC, Restricted to Classroom Use)

Here are scenes on the plains near the foothills of an African mountain range. We see lakes which teem with wild fowl. Flamingoes wade in the shallow water, then, with a running start, take off in flight, which is pictured in slow-motion. We see the secretary bird, the enemy of snakes. Glimpses of the hooded cobra, the black mamba and the puff adder, which strikes at a native before crawling into the bush. The native shoots his arrows through the head of a python coiled around a limb.

The baboon is pictured, a dangerous and annoying beast which kills domestic animals. A close-up of the chameleon reveals its swivel eyes and long, darting tongue. The fierce-looking but harmless iguana is seen. The close-up of the high mound of an ant hill shows the large queen ant. Another foe of the snake is the dwarf mongoose, which can be tamed. Also present are the praying mantis and the armorclad spiny cricket. A scourge of locusts sweeps the land, covering the trees and plants. Zebras inhabit the country near volcanic mountains, as well as bush pigs and antelopes.

A volcanic explosion fires the veldt. The natives and all the animals flee together, their fears of each

other lost in the greater fear of the devastating flames. (P-I-J)

One reel, 11 minutes
Rental, \$2.25

VELOCITY OF CHEMICAL REACTIONS (EB)

The effect of the nature of reacting substances, of the concentration of the reacting substance, and of the temperature on the rate of chemical reactions are explained in this film by interesting demonstration experiments and animated drawings. Practical examples are also presented to illustrate these phenomena. The dynamics of reversible reactions and of chemical equilibrium are shown by schematic drawings that give clear conception of these frequently misunderstood processes. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

VERACRUZ (OIAA)

With Joseph Cotten, the actor, as narrator this color film conducts its audience through the Mexican province of Veracruz. Varicolored flowers, odd native clothes and customs, and the colorful panorama of the quiet countryside make this film a delightful treat. (I-C)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

VERNIER SCALE, THE (USOE)

The modern era of interchangeable parts of machinery has been made possible only through precision measurement. This subject is a detailed study of the principles of the vernier scale and its application to precision measurement. Through the use of animated diagrams both the ten and twenty-five part vernier scales are explained. Several settings of these vernier scales are shown in extreme close-ups to provide experience in their reading. The correct method to handle vernier micrometers is also shown. (H-C)

One reel (800 feet), 22 minutes
Rental, \$2.50

VETERANS AND THE LAND (USDA)

Shows how farming has become increasingly complex as a business. It demands scientific knowledge and improved practices. The film warns the veteran against too rosy and optimistic a conception of "life on the soil." (General)

One reel (800 feet), 20 minutes
Rental, \$2.00

VIKING TRAIL, THE

(TFC, Restricted to Classroom Use)

This film portrays the sweeping beauty of Norway, its fjords, waterfalls and snowcapped mountains, and shows us the country people still living under the influence of an ancient tradition.

In the eerie light of midnight sun we see a steamer approaching Hammerfest, the most northerly city in all

Europe. A group of tourists lands and later we get a glimpse of them mountain climbing. Then we visit the Laplanders who, the commentator tells us, were driven to the Arctic fringe by the ancient Scandinavians. Here they live in sod huts, in which they reckon their wealth by the size of their herd of reindeer. From Lapland we go down to Bergen, the chief port of Norway, where we see its modern buildings and busy life while the commentator explains its importance in the commercial life of the country. (I-J-H)

One reel, 11 minutes
Rental, \$2.25

VISIT FROM ST. NICHOLAS (C)

This perennial favorite will add much to school Christmas programs, class parties, and church showings. Produced in lively animation, the film retells the story of the midnight visit of St. Nicholas with his wonderful team of reindeer and bountiful sled of toys. (Color) (General)

One reel, 6 minutes
Rental, \$2.50 (one day)

VISIT TO IRELAND, A (C)

It takes us to the Emerald Isle, to tour the charming countryside with its simple thatched cottages, peat bogs and green pastures dotted with sheep. Then, off we'll go to thriving Dublin, too. We'll spend a peaceful evening on the hearth with the O'Sheas; visit a school, a church, stop for a moment at the lovely Lake of Killarney, and leave with Ireland's enchantment ever fresh in our memories. (I-J-H)

One reel, 10 minutes
Rental, \$2.00

VISIT WITH COWBOYS, A (EB)

Describes the work of the cowboy through the eyes of an American boy visiting a ranch for the first time. Shows how horses are shod and how they are fed. Includes scenes of horses being rounded up and broken to the saddle. Also portrays how cowboys rope calves and ride bucking broncos at a rodeo. (P-I)

One reel, 10 minutes
Rental, \$2.00

VISUALIZING AN OBJECT (USOE)

How a blueprint is developed; how dimensions are shown by different views; and how various kinds of lines are shown on a blueprint. (H-C)

One reel, 9 minutes
Rental, \$2.00

VITAL EARTH (EB)

Tells the story of plant and animal interrelationships, and explains the organization and balance of nature which is essential to survival. In the chain of life this organization of the living community is a vital

link to preserve the balance between living plants and animals. (For other films in this series see *Arteries of Life*.) (Color) (J-H)

One reel, 11 minutes
Rental, \$3.00

VITAMIN-WISE (NFBC)

Explains the vitamin categories of the main fresh vegetables and proceeds to advise housewives to experiment, save and stretch, improvise, and obtain the maximum food value by employing proper cooking methods. It gives warning against waste due to careless cooking and stresses the need for conservation of both food and fuel. (J-H-C)

One reel, 11 minutes
Rental, \$2.50

VOCAL MUSIC (EB)

Describes and illustrates the principles of voice production in vocal music. Demonstrates good and bad posture, correct breathing, good tone production, and good diction. Illustrates common faults such as breathiness, tightness, throatiness, and nasality. Depicts the singer's role as a performer as well as his function as an instrument, and includes several examples of good vocal music. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

VOICES OF MALAYA (BIS)

An account of life in Malaya today. Still suffering from the effects of war, famine, and political upheaval, five million people of four races—Malay, Chinese, Indian, and European—are working side by side, endeavoring to bring to Malaya a life of peace and prosperity. (General)

One reel (1200 feet), 35 minutes
Rental, \$3.50

VOLCANOES IN ACTION (EB)

Throughout the history of man, volcanic phenomena have stimulated man's imagination. Today we realize, and this film demonstrates, that even frightful volcanic phenomena operate in accordance with natural laws. The sound film presents by photography evidence of past volcanic action. Animated drawings combined with photography explain many of the more important phenomena of volcanism such as dikes, sills, laccoliths, metamorphism; the products of volcanism including lava, cinder, and ash; causes and distribution of active volcanoes throughout the world. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

VOLLEY BALL FOR BOYS (C)

The film shows in regular and slow motion the proper methods of serving, volleying, spiking, defensive

play and various drills to develop such skills. The film records natural game sounds and narration. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

VRONSKY AND BABIN, DUO-PIANISTS I (FCI)

These brilliant young performers met while students at Berlin where they had come from their native Russia to study under Artur Schnabel. Marrying, they at once renounced separate careers. The perfect accord of their tastes and temperaments is recorded in their playing. They play: "Waltz in A Flat" by Brahms; "Valse" by Arensky; "Flight of the Bumble Bee" by Rimsky-Korsakoff. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

VRONSKY AND BABIN, DUO-PIANISTS II (FCI)

Vronsky and Babin play Polovisian Dances from Prince Igor by Borodin. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

WANTED A MASTER

(TFC, Restricted to Classroom Use)

The story of a stray dog who is seeking to find a master before a deadline after which dogs without owners will be impounded. (P-I)

One reel, 10 minutes
Rental, \$2.25

WAR CAME TO AMERICA (AFS)

This picture is one of the best documental films ever produced. It covers first, the early history of the United States, and then deals with the period during the 1920's and '30's with members of the government shown in newsreel shots and documentary film cuttings discussing major issues. The rise of the Nazis and Fascists and the power of Japan is shown as preceding the war in Europe. The film dramatically brings up incidents of war and discord over the world, and concludes with the Japanese attack at Pearl Harbor. The film is an excellent picture for showing to classes studying American history. It actually brings history to life.

Two reels (800 feet and 1200 feet), 59 minutes
Rental, \$3.50

WAR IN EUROPE (ICS)

Has historical value in that it shows the invasion of Poland, declaration of war by Britain and France, and other war scenes. (General)

One reel, 11 minutes
Rental, \$2.00

WAR NEWS FROM NEW ZEALAND (NZNFU)

Featuring various phases of New Zealand's war effort on the home front, this film is a collection of

recent newsreel scenes filmed in New Zealand which is the permanent base for the U. S. Marine Corps in the South Pacific. (J-H-C)

One reel, 12 minutes
Rental, \$2.00

WAR ON WEAR (TEX)

A message from then Secretary of Agriculture Wickard tells that the farmers should wage a war on wear, since many factories that once manufactured farm implements are now manufacturing rifles, tanks, airplanes, etc. Just how they should carry on this war against wear is demonstrated. (H-C)

One reel (1200 feet), 33 minutes
Handling charge, \$1.00

WAR ON WHEELS (OWI)

Is the story of an American truck convoy ambushed by German tanks. Its rescue in a pitched battle by a group of American medium tanks graphically pictures the type of action which won for us in Tunisia. The commentary brings home to the worker the importance of his role in our mounting war production. (H-C)

One reel (800 feet), 22 minutes
Handling charge, \$2.00

WARTIME NUTRITION (OWI)

Produced by the Office of War Information at the request and with the cooperation of the Office of Defense Health and Welfare Services, this film emphasizes the importance of using our limited wartime supply of food wisely. Proper diet and wise selection of the food we eat is essential to good health. "Eventual victory may depend upon what we eat." (J-H-C)

One reel, 10 minutes
Handling charge, \$2.00

WASHINGTON IRVING (EB)

Brings to life significant episodes in the life of Washington Irving, the first American to receive prominent recognition in the world of literature. Traces Irving's early life in New York as a lawyer and then as a writer. Describes his travels and life abroad, highlighting the incidents on which hinged the writing of his best-known literary works. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.50

WASHINGTON PARADE

(TFC, Restricted to Classroom Use)

A travelog through some government buildings in Washington, D. C. We begin at the Union Station, through one of whose arches can be seen the dome of the Capitol, which is kept in view as we proceed along Pennsylvania Avenue.

The President addresses a joint session of Congress. The Congressional restaurants are pictured, and the

Lincoln memorial is seen. The exterior of the White House is pictured, and the new Supreme Court Building. In the Department of the Interior Building, we visit the Bureau of Standards. Machines test the wearing qualities of shoe leather and the elasticity of silk stockings.

Before the Treasury stands a statue of Alexander Hamilton. Within an engraver cuts the die used in the printing of banknotes. Printed in sheets, the money is cut and stacked. Worn-out, returned bills are stored in bundles, then cut in half and each half is counted and checked, before burning.

In the Department of Justice we are shown the many scientific instruments of detection. A group of G-men test their marksmanship on the target range.

During views of the Washington Shaft and the Capitol dome, lighted at dusk, the commentator remarks that this is the heart of a great, sympathetic and free nation. (I-J-H)

One reel, 10 minutes
Rental, \$2.50

WASTAGE OF HUMAN RESOURCES (EB)

Graphically points out the tragic wastage of human resources caused by failure to provide for healthful, safe, effective living. Calls attention to wastage at all age levels — wastage caused by crippling disease, careless accidents, juvenile delinquency, unemployment, alcoholic and drug addiction, mental disease, crime, and the most tragic of all — war. (J-H)

One reel, 11 minutes
Rental, \$2.00

WATCH THAT QUOTATION (C)

Teaches the importance of quoting accurately, the general importance of authority behind statements, how to quote in speech and in writing, and how to read and to listen to quotations. (I-H-J)

One reel, 11 minutes
Rental, \$2.00

WATCHTOWER OVER TOMORROW

(TFC, Restricted to Classroom Use)

Suggests workings of the Assembly, International Court of Justice and Security Council of the United Nations. (J-H-C)

One reel, 10 minutes
Rental, \$2.25

WATER BIRDS (EB)

Material on certain of our American water birds is presented in this film. Photographic sequences depict the physical characteristics, habits, environment, adaptiveness and care of young of the egret, the mallard duck, the Canada goose and the brown pelican. Sequences depict facts about the lesser scaup and the flamingo. Animation shows the winter and summer homes of the Canada goose and the principal migration route. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

WATER CYCLE (EB)

Traces eternal cycle of water from ocean to sky and back to ocean. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

WATER FOR DRY LAND — SOUTHWEST U.S.A. (UW)

This film presents a picturization of the dependence of man upon his supply of water. The living in oases is contrasted sharply with the barren wastes of surrounding deserts. The transformation of desert lands by man's triumph in controlling the water supply and the tremendous industrial developments, possible through abundant hydroelectric resources, is vividly portrayed. (I-J-H)

One reel (800 feet), 22 minutes
Rental, \$3.00

WATER — FRIEND OR ENEMY (OIAA)

A Walt Disney animated cartoon in color done in the true Disney style. It shows how water can be a true friend to man if proper precautions are taken to see that it is pure. Also illustrated are correct measures in keeping spring and well water from being contaminated and suggests boiling of water as a final precaution. (J-H)

One reel, 11 minutes
Handling charge, \$1.00

WATER LURE (DL)

Depicts the conservation work accomplished along the streams in Georgia and the South. In accordance with the theme of the film, there are shown many projects in the CCC Camps. (General)

One reel, 11 minutes
Rental, \$2.00

WATER POWER (EB)

The concept of potential power from water is introduced by the water cycle which furnishes a never-ending source of power. It is shown how rapids and waterfalls, by this use, were changed from hindrances to aids to man's progress. The body of the picture traces the development of water power, chiefly in the United States, from the small mill of the early Colonist to such modern projects as Niagara, Boulder Dam, and the Tennessee Valley. There is an informative sequence on the transformation of potential energy of the waterfalls into kinetic energy through the hydroelectric plant. The film concludes with a world-wide survey of potential water power. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

WATER SUPPLY

Dramatically portrays, through natural scenes and animated diagrams, the source, storage and handling of water by nature and man. (Color) (I-J-H)

One reel, 11 minutes
Rental, \$3.00

WATER WORKS FOR US (YA)

Shows the place of water in our modern life. It shows how water works for health, for growth, for power. (P-I)

One reel, 10 minutes
Rental, \$2.00

WATERCOLORS IN ACTION (FI)

Explanation and illustration of important details in watercolor painting including: characteristics of the "direct method"; simplicity of professional equipment; colors and color combinations; simplicity of pencil detail; how to lay washes; maintaining a wet wash by tilting; comparison wet and dry tonal value, and modification of applied colors by dropping added color into wet wash. (Color) (H-C)

One reel (800 feet), 13 minutes
Rental, \$3.25

WATUSSI OF AFRICA (EB)

Provides an intimate study of the environment and activities of a ruling family of Watussi in the Rwanda region of Africa. Describes their cultural status, their food, clothing, home furnishings, servants, and the relationship between father and son, and mother and daughter. Reveals their works of art, hunting and ceremonial activities. Native conversation and music are reproduced in impressive situations. (I-J-H-C)

One reel, 10 minutes
Rental, \$2.00

WAVES OF GREEN (JH)

Tells the story of the Land-Grant colleges and extension services and their contributions to agriculture. Shows how the U. S. has bettered its standard of living by taking advantage of ideas of scientists, and by the help of county agents, extension workers, and special courses at agricultural colleges now available to every farm family. (C-A)

One reel (1600 feet), 44 minutes
Rental, \$3.00

WAYS TO BETTER CONVERSATION (C)

What constitutes a good conversation and how can skill in conversation be improved? Students will be able to identify themselves with some of the many characters in the story and thereby gain a better understanding of their own mistakes, causes of those mistakes and the proper remedies. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

WAYS TO GOOD HABITS (C)

Children in the lower grade levels are developing the habits which they will have throughout their lives. Instead of merely reiterating the old theme, "Don't do that—that's a bad habit!" this film shows the im-

portance of habits, good or bad. It demonstrates how to substitute good habits for bad ones and motivates students to build good habits of their own. (P-I)

One reel, 10 minutes
Rental, \$2.00

WAYS TO SETTLE DISPUTES (C)

There are simple ways to prevent and settle disagreements; compromise is one method that this important film suggests. Other ways are presented as a guide for students to follow while maintaining a cooperative attitude on the part of both parties. (P-I)

One reel, 11 minutes
Rental, \$2.00

WE DISCOVER FRACTIONS (C)

Helps students to relate the arithmetic symbols of fractions to their own experience. (I-J)

One reel, 11 minutes
Rental, \$2.00

WE DISCOVER THE DICTIONARY (C)

A story of three students learning, by writing a letter, the fine points of using a dictionary. (I-J)

One reel, 10 minutes
Rental, \$2.00

WE GO TO SCHOOL (C)

Children first entering school have a tremendous adjustment to make from the protective, comparatively unrestricted shelter of their homes. Only through the sound motion picture is it possible for these youngsters to fully visualize the concept of the school community when they first become a part of it. The film teaches them what they can expect from school; what the school, in turn, expects from them; the importance of school rules. It gives them a sense of security—of belonging to this new environment. (Primary)

One reel, 10 minutes
Rental, \$2.00

WE LIVE IN TWO WORLDS

(TFC, Restricted to Classroom Use)

With J. B. Priestley the narrator, this film points out that we cannot escape living in two worlds, the international as well as the national.

Standing by a map, he discusses the state partitions, then international trade and communications. Switzerland is chosen as a specific illustration of the theme.

First we see the frontier guards of Italy, France, Austria, and Germany. Then glimpses of Swiss everyday life against a background of the Swiss Alps: peasants, folk dancing, harvesting. The transitional stage from the national to the international is symbolized by the running of a telephone line from the

lowlands to the mountain climbers' rest house high in the Alps, giving them contact with the entire world.

We hear about the tourist trade; see pictures of winter and summer sports activities. The growth of international trade; construction of a dam to generate hydroelectric power and the central power station to supply current to new factories are other subjects brought to view. Trains and automobiles speed through the night, and planes and ships go their ways carrying Swiss products to all parts of the world. (J-H-C)

One reel, 10 minutes

Rental, \$2.50

WE MAKE BUTTER (YA)

A film especially made for young children, full of story interest and rhythmic music. Dick and Jane visit Cousin Billy's farm, where they learn from Aunt Ruth how butter is made. Each of the three children, with his own jar of milk, makes some butter under Aunt Ruth's supervision. Then all three watch as she makes butter. (P)

One reel, 11 minutes

Rental, \$2.00

WE SAID WE'D COME BACK (OWI)

Tells the story of the Navy's fight in the Pacific. The assembly of the greatest sea power in the world is pictured. There are active combat shots of the latest ships, planes and weapons in action. Admiral King, in opening the film, reports on the enormous complexity and size of the fleet and its huge cost. (H-C)

One reel (800 feet), 20 minutes

Handling charge, \$2.50

WE, THE PEOPLES (YA)

This provocative, documentary film is a presentation of the story of the United Nations Charter. It shows how Man's desire for peace and human rights and his abhorrence of wars led to the need for and the formulation of the United Nations Charter. (General)

One reel, 10 minutes

Rental, \$2.00

WEALTH OF THE ANDES (OIAA)

The economy of Peru is largely dependent upon the mineral resources of that country. The importance of this industry is brought out as well as the degree to which refining has been developed for the purpose of processing the minerals taken from the mines. The scenic beauty of the country is brought out to good advantage by Kodachrome. (J-C)

One reel (1200 feet), 30 minutes

Handling charge, \$2.50

WEARING AWAY THE LAND (EB)

Several important processes which result in the wearing away of the land at one place and the building up at another are vividly shown in this film. Scenes

taken all over the world show processes and formations which succinctly tell the story. How the land is affected by chemical decomposition of rocks, glaciers, wind and waves is presented. Scenes at Carlsbad Cavern illustrate the formation of caves, and animated diagrams and aerial views show how the coast line is changed by the waves of the ocean. (J-H-C)

One reel, 11 minutes

Rental, \$2.00

WEATHER, THE (EB)

The Polar Front Theory is explained and meteorological instruments and methods including thermometers, barometers, anemometers, pilot balloons, and radiosonde equipment are described. Animated photography portrays solar radiation, atmospheric circulation and cyclone wave phenomena. (J-H-C)

One reel, 11 minutes

Rental, \$2.00

WEATHER WIZARDS

(TFC, Restricted to Classroom Use)

The film opens with a montage of blizzards, rainstorms, etc.; then to the scientific equipment of the modern Weather Bureau. The story is then unfolded of the value of the Weather Bureau to agriculture; using as a specific illustration the California citrus industry. The California Bureau receives a teletype warning from Alaska that a mass of cold air is moving southward from that area. This is graphically portrayed by a moving superimposed weather chart on a map of that territory. A radio warning is flashed to the orange growers, who hurriedly plan protection against the coming frost. Orchard heaters are made ready, thermometers are placed at the trees and into the fruit itself.

Then follows the frenzied struggle to defeat the frost. The oil gives out and fences are burned. At last cloud formations and upper air mass characteristics cause the Bureau to forecast relief, and warmer air dispelling the frost does come. (I-J-H)

One reel, 11 minutes

Rental, \$2.25

WEFT SYSTEM OF AIRCRAFT

IDENTIFICATION (USN)

Models are used in this sound film to explain the WEFT system of aircraft recognition, which depends upon examination of wings, engine, fuselage, tail assembly, the first letters of which furnish the name WEFT. (J-H-C)

Part I — Basic Characteristics

One reel (500 feet), 15 minutes

Part II — Special Characteristics

One reel (500 feet), 15 minutes

Rental, \$2.00, each part

WEIGHT EVENTS (EB)

Contains demonstrations of the shot put, discus throw, hammer throw, and javelin. Slow motion photography is used, together with repetition to give the student ample opportunity of observing every detail of technique in each of these events. The general poise of the body, the method of holding the shot, and the leg action, are clearly demonstrated. The method of gripping the hammer, the arm action, and the leg pivot are included in the hammer throwing sequence. Two styles of form are demonstrated in the javelin throw, together with techniques of holding, release, and leg action. Two styles likewise are demonstrated in the discus sequence. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

WELDING (JH)

From a series of pictures designed to show the importance of a welder's job, the film introduces the welder's tools and equipment. The correct method to get a flame is shown and explained, as are the three types of flames which can be obtained. Flat ripples are made on steel sheets to show the way to hold the torch, and then a bead is welded, illustrating the way the welding rod should be handled. The picture closes with instructions on how to finish the job and put away the welding equipment. (H-C)

One reel (800 feet), 22 minutes
Rental, \$2.50

WELDING OPERATOR (VGF)

Welding, of which oxyacetylene and arc welding are the principal types used in industry, is so important that today it is recognized as a trade in itself. Explained in this film are the problems involved in the use of equipment, the kind of welding done, the knowledge and physical requirements necessary, and the various opportunities open to a good welding operator. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

WE'RE ON THE SPOT (PTC)

Depicts common hazards found in industrial plants. Shows proper use of tools, machine guards, clothes, goggles, first aid. (J-H-C)

One reel, 10 minutes
Rental, \$1.50

WEST INDIES, THE (EB)

Authentic documentary material concerning the geography and climate of the West Indies and the story of its peoples and their present-day activities is presented. Photographic sequences depict the types of people and economic activities of the region, including agriculture, manufacturing, commerce, and transportation. The economic interdependence of the West

Indies with other parts of the world, including its imports and exports, is shown upon an animated map background. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

WESTERN FRONT (OWI)

Is of historical interest as it depicts the need of the Chinese for American aid in order to defend their country. (J-H-C)

One reel (800 feet), 22 minutes
Handling charge, \$2.00

WESTWARD MOVEMENT (EB)

By means of animated drawings, the story of the Westward Movement, from 1790 to 1890, is portrayed in its geographic setting. In this picture, the events unfold in proper chronological order. Among the topics developed are: territorial expansion, routes of migration and transportation, increase and distribution of population, extension of settlement, admission of states to the union, and the mining and cattle frontiers. A 1942 production. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

WET LANDS (USDA)

This picture shows where our 120 million acres of wet land are located. It points out that seventy-eight million of these acres will serve us best if left in their natural state for the production of timber and the preservation of wildlife. Thirty-one million acres are shown to be suited to farming if properly drained. A section of the film illustrates briefly the principal types of water control and methods. Farmers, working together, can improve drainage on land now being farmed and bring into production land that is now too wet for any production at all. (H-C)

One reel, 10 minutes
Handling charge, \$1.00

WHAT ARE FRACTIONS (FI)

To assist in the introduction of the subject of fractions this film uses a variety of examples from everyday experiences of children, shows how to write a fraction, explains the meaning of numerator and denominator, demonstrates how to determine the value of a fraction, and reviews all concepts covered. (I)

One reel, 11 minutes
Rental, \$2.00

WHAT HAPPENED TO SUGAR (OPA)

A presentation of the areas which supply the world's sugar, how that supply was cut off by the outbreak of World War II, and why it took some time after the cessation of hostilities to get production back to normal. Also the ways in which sugar is used in war production. (H-C-A)

One reel, 11 minutes
Rental, \$1.00

WHAT IS BUSINESS (C)

Takes students into the world about them to show them how great the contribution of business is to modern living. Familiar objects from their own homes are used to demonstrate the distribution and service phases of business activity. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

WHAT IS A CONTRACT (C)

Teaches students the importance of a thorough understanding of contracts. Students learn the basic elements of both oral and written contracts, the need for contracts, and their binding nature upon all parties concerned. (H-C)

One reel, 11 minutes
Rental, \$2.00

WHAT IS A CORPORATION (C)

The film differentiates between the three principal forms of business ownership: single proprietorship, partnership, and corporation. A basic vocabulary for the study of business ownership is introduced. The emphasis is on corporate ownership. (J-H-C)

One reel, 10 minutes
Rental, \$2.00

WHAT IS CHINA

(TFC, Restricted to Classroom Use)

An over-all survey film on the Republic of China. Sequences emphasized are the geography of China, history of China, peoples of China, and development and change in China. The beginning and end sound track carry a chorus singing the Chinese National Anthem. (P-I)

One reel (800 feet), 22 minutes
Rental, \$3.50

WHAT IS CLOTH (C)

Develops a soundly motivated interest in the study of textiles and provides a broad platform of basic information on the subject. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

WHAT IS FOUR (YA)

Helps develop the meaning of numbers. The number "four" is presented in concrete situations familiar to children. The second part is for slightly more advanced children. It introduces concept of abstract numbers and of addition and subtraction. (P-I)

One reel (800 feet), 15 minutes
Rental, \$2.50

WHAT IS MONEY (C)

A film designed to establish these basic concepts: (1) what money is, (2) why money is used, and (3) how it can be used. (J-H)

One reel, 11 minutes
Rental, \$2.00

WHAT IS SCIENCE (C)

Designed as an introduction to the study of science, this film is an illuminating exposition of the meaning of the word. In a simple story, it presents the application of the "scientific method," which embraces five major steps: curiosity, observation, hypothesis, testing of hypothesis and conclusion. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

WHAT IS SOIL (FI)

Develops, step by step, through demonstration and experimentation, an understanding of soil and soil formation. (P)

One reel, 11 minutes
Rental, \$2.00

WHAT IS SOUND (YA)

Photography, animation, and synchronized sound are combined in this film to demonstrate what causes sound, how sound waves travel, and why sounds differ. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

WHAT MAKES A BATTLE (OWI)

It takes a masterpiece of strategy to get supplies and human power coordinated when forces of land, sea, and air unite to strike blows that bring us nearer victory. Such a masterpiece was the battle of the Marshall Islands where each success meant another battle and wounded and casualties everywhere. Here out of ten thousand Japs only 264 surrendered. (H-C)

One reel (800 feet), 18 minutes
Rental, \$2.50

WHAT MAKES A DESERT (YA)

Explains and illustrates the geographic and climatic factors that create a desert area, with reference to the deserts of the southwest United States. Shows the factors of prevailing winds and mountain barriers. Points out how desert land can be reclaimed by irrigation. (I-J)

One reel, 11 minutes
Rental, \$2.00

WHAT MAKES A GOOD PARTY (C)

Parties play an important role in the lives of young people; they want to have good parties and enjoy themselves at social affairs given by others. Presents the skills of having a successful party and highlights

the duties of the host and guest that make a party a "hit." (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

WHAT MAKES NIGHT AND DAY (YA)

Why we have alternation of day and night as well as the reason why the sun can shine only on one-half of the earth at a time is shown in this film. (I)

One reel, 8 minutes
Rental, \$2.00

WHAT MAKES RAIN (YA)

The concepts of evaporation and condensation as they apply to the water cycle are explained. (I-J)

One reel, 10 minutes
Rental, \$2.00

WHAT MAKES US GROW (NFBC)

This was filmed for a youthful audience, explaining the necessity for their eating proper food. Experiments with rats show the fatal results of vitamin deficiencies and children are advised to eat more eggs, fresh vegetables, and fruit. Four glasses of milk per day should be the child's ration, with whole-grain bread, beans, potatoes, cabbage, and peas as other body-building and protective foods. (P-I)

One reel, 11 minutes
Rental, \$2.00

WHAT PRICE HAPPINESS (NESC)

Stressed in this film is the number of home injuries which occur each year. Last year thirty thousand people were killed or injured in home accidents. Many are caused from the careless use of matches, the electric iron and portable electrical appliances in the bathroom. Carbon monoxide is also the cause of many fatal accidents. It is pointed out that it is easier to prevent an accident than to recover from one. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

WHAT TO DO ON A DATE (C)

A typical high school student learns that there is more to do on a date than just go to the movies. In carrying his problem through to a solution, the film shows how to plan dates that satisfy both the boy and the girl. It shows the wide range of activities available to high school students who want to make dating an entertaining, enjoyable and constructive social custom. (J-H-A)

One reel, 11 minutes
Rental, \$2.00

WHEAT FARMER, THE (EB)

The film portrays the life of a wheat farmer and his family in a typical midwestern area. Preparing the soil, and planting winter wheat are treated in detail,

along with other farm tasks — milking, cooking, and general repair work. The brother and sister attend a 4-H Club meeting, where reports on the progress of farm projects are given. When the wheat is ripe, father and son, assisted by a neighbor and hired men, operate a modern combine. Mother and daughter help by preparing food for the harvesting crew. The wheat is loaded into trucks from the combine and hauled to the town wheat elevator. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

WHEN WORK IS DONE (OWI)

As an example of community action to provide for the welfare of its members, this film will be of interest to all Americans. Produced by the Office of War Information in cooperation with the Recreation Division of the Federal Security Agency, this film shows how the war-boom town of Sylacauga, Alabama, solved its problem of forming recreation facilities for thousands of defense plant workers. (J-C)

One reel, 9 minutes
Rental, \$2.00

WHEN YOU ARE A PEDESTRIAN (PRP)

Prepared and produced with the cooperation and under the supervision of local police departments, safety councils and school departments. Includes both the pedestrian's and motorist's responsibilities to prevent accidents. (J-H-A)

One reel, 11 minutes
Rental, \$2.00

WHERE MILEAGE BEGINS (GM)

The efficiency of an automobile motor is one of its measures of "How many miles can you get to a gallon?" This film gives the complete history of the construction and operation of a modern automobile motor. Step by step the various parts are assembled and their functions explained. Very lucidly the fundamental strokes of a gasoline engine are demonstrated. (General)

One reel (800 feet), 20 minutes
Handling charge, \$2.50

WHERE WILL YOU HIDE? (EB)

It shows homes blown to smithereens, people dying of disease and plague, and a world destroyed by war. Yet it is a helpful film, too, for it shows there is no alternative for us but peace. Its message can be the basis for intelligent thought and action to prevent the holocaust which it presents with such breathless realism. (Color) (J-H-C)

One reel (800 feet), 22 minutes
Rental, \$6.00

WHICH WAY THIS TIME (OPA)

Shows how disastrous inflation during and after World War II has thus far been prevented by gov-

ernment controls. The film draws lessons from history to show why inflation still threatens the economy of the United States in the postwar period. (J-H-C)

One reel, 11 minutes
Handling charge, \$1.00

WHISPERS (TFC, Restricted to Classroom Use)

This subject concerns organized whispering campaigns and the spreading of rumors for commercial purposes. A case is cited wherein an honest, public-spirited citizen attempts to rebuild the slum section of a large city. But forces in the city, to whom civic improvements mean financial loss, start a vicious whispering campaign, which not only defeats the project, but ruins the honest citizen's reputation. (J-H-C)

One reel, 10 minutes
Rental, \$2.25

WHITE HOUSE (RKO)

Presented as a pictorial trip through the White House in Washington, D. C., with its dignified simplicity and its glamorous background. This subject takes a couple, plain everyday Americans, on a conducted trip through the home of the executive branch of the government. (J-H-C)

One reel (800 feet), 19 minutes
Rental, \$3.00

WHITE PINE BLISTER RUST (USDA)

This insidious disease entered the United States at the beginning of this century. The picture shows the area affected, the complete life cycle in association with currant and gooseberry plants, how the disease enters and kills white pine, and the effective control measures now being used to protect our native white pines in the thirty-nine states in which they grow. The picture is in Kodachrome. (H-C)

One reel (800 feet), 18 minutes
Rental, \$4.00

WHO MAKES WORDS? (C)

Teaches a lesson of semantics through a simple school story. A class which is at a loss for a word to describe a new pastel colored blackboard is encouraged by the teacher to study the ways in which other new words have come into the language. (I-J)

One reel, 11 minutes
Rental, \$2.00

WHO WILL TEACH YOUR CHILD? (McGH)

This film takes up the nature of teaching and explores, by illustration, several types of teacher-classroom situations. There is the teacher whose entire view of her professional duty is bounded by the narrow routine of classroom tasks she sets her pupils. She has no time for irrelevant questions, however spontaneous. Another

teacher understands that teaching includes helping a boy who is branded as a "Polak" and excluded him from the circle of his classmates. Then there is Miss Gee, fresh from teachers' college, eager but inexperienced. Because of inadequate training she cannot control the class. Her failure ends in a decision to leave teaching for good. Another sequence shows a skillful teacher, using the play, "Julius Caesar," help his class interpret the deeper meaning that lies beneath the surface of mere words and relates this meaning to contemporary life. The film calls for a re-evaluation of the meaning of good teaching so that it may become a profession which will attract to it increasingly better teachers. (C-A)

One reel (800 feet), 22 minutes
Rental, \$3.50

WHO'S BOSS

See

MARRIAGE FOR MODERNS: WHO'S BOSS

WHY CAN'T JIMMY READ? (SU)

Good treatment of how to study the behavior of children and to make case studies with children who have reading difficulties. Illustrates need for parent-teacher-clinic cooperation. (C-A)

One reel (800 feet), 20 minutes
Rental, \$3.50

WHY STUDY FOREIGN LANGUAGES (C)

Jim Baker can't see any use in studying foreign languages until brother Dick returns from a trip to Europe and convinces Jim that he is wrong. Demonstrates how knowledge of foreign languages contributes to enjoyment of travel, success of commerce, harmonious international relations, appreciation of many literary works, and richer understanding of our own culture. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

WHY WE RESPECT THE LAW (C)

As one of the cornerstones of our democracy, law must work and if law is to work there must be respect for law. Therefore, this film strikes at the heart of teaching democracy. Its main theme is the development of an attitude of respect for all law—big and little; a habit of obedience without compulsion. Dramatic highlights in this film teach the social need and individual need for respect for law. (J-H-C-A)

One reel (800 feet), 15 minutes
Rental, \$3.00

WILD FOWL CONSERVATION (ASFL)

The opening scenes show flocks of wild ducks on the wing and swimming in their wild habitat in America's Northwest. The next scene illustrates how ducks can be destroyed unwittingly. Some of the methods used by the U. S. Biological Survey to compensate for the

damage done by drainage and drought are next discussed. The following sequence shows the third menace to our duck supply, commercialization. The feeling of America's Northwest is vividly conveyed by the excellent photography throughout the film. (I-C)

Two-thirds reel, 7 minutes
Rental, \$1.50

**WILLIAM SHAKESPEARE: BACKGROUND
FOR HIS WORKS (C)**

In the England of today, this film shows the place of Shakespeare's times and elements of English life that gave the great poet-playwright his language and shaped his character. Kenilworth Castle, Stratford, the River Avon, and the Hathaway Cottage are just a few of the familiar spots that link the past with the present. (J-H-C-A)

One reel (600 feet), 15 minutes
Rental, \$3.00

**WILLIE AND THE MOUSE
(TFC, Restricted to Classroom Use)**

This comparative study shows that experiments with laboratory mice have implications in educational procedure in the classroom. The mice are trained by sight, sound and touch, and the commentary draws attention to the ways in which the experiments with mice illustrate the necessity for variety of approach in the teaching of children. (J-H-C)

One reel, 10 minutes
Rental, \$2.25

WINDS AND THEIR CAUSES (C)

Pete's model airplane crashes. He is determined to find out why. So, with Pete, the viewer discovers the facts behind thermals, cumulus clouds, and thunderstorms. Then the great winds of the earth are explained, the on- and off-shore breezes, the easterlies and westerlies. (J-H)

One reel, 10 minutes
Rental, \$2.00

**WINGED SCOURGE — (MALARIA), THE
(OIAA)**

In this film is shown the development of the anophles mosquito, the carrier of the malaria germ, from larva to full growth, at which time it becomes a menace and brings sickness and misery to untold millions. At this point the film becomes one on general mosquito control, employing the usual Disney technique. The Seven Dwarfs play an important part in demonstrating the methods of mosquito control. This is a Kodachrome film. (General)

One reel, 10 minutes
Handling charge, \$1.00

WINGS OVER BRAZIL (OIAA)

"Brazil has a predestination for aviation," wrote one historian. This film bears out that statement. The progress made by Brazil in the modern, advanced field of aviation, especially during World War II, is pictured. (J-H-C)

One reel (800 feet), 15 minutes
Handling charge, \$3.00

WINGS TO ALASKA (PAA)

From Seattle to Alaska over the snowcapped Rockies by plane. Gives an idea of the glaciers, the salmon canneries and shrimp industries and wild life. (Color) (General)

One reel (800 feet), 20 minutes
Rental, \$3.50

WINGS TO CUBA AND THE CARIBBEAN (PAA)

The marvelous facilities of plane navigation, their accommodations and service, as depicted by Pan American World Airways, add to the reasons why we should see this beautiful country of bathing beaches, tropical flora and fauna, wonderful sports—sailing, bicycling and gold—and view Bermuda's fascinating land of old world charm. (Color) (General)

One reel (1200 feet), 30 minutes
Rental, \$4.00

WINGS TO HAWAII (PAA)

Takes the audience on an air trip to Hawaii and around the island to such key points of interest as Waikiki Beach, Maui, active and extinct craters, sugar cane and pineapple plantations, a cattle ranch, and several smaller islands. Highlights the hospitality, beauty and pleasures to be experienced by the visitor to the Hawaiian Islands. (Color) (General)

One reel (1200 feet), 33 minutes
Rental, \$4.00

WINGS TO IRELAND (PAA)

Air trip from New York to Ireland. Places visited are Shannon, Killarney, Cork, Plains of Tipperary and Dublin. (Color) (J-H-C)

One reel (1200 feet), 30 minutes
Rental, \$4.00

WINGS TO MEXICO AND GUATEMALA (PAA)

This is an airborne travelog concerning the city and country life of Mexico and Guatemala. It shows Mexican landscapes and architecture, both modern and ancient, with scenes of colorful Mexican festivities and sports. In Guatemala, there are scenes of the singular beauty of Indian life to be seen. (Color) (General)

One reel (1200 feet), 30 minutes
Rental, \$4.00

WINGS UP (OWI)

The story of the 12 weeks of discipline, concentrated study, and hard work leading to graduation from Officers' Candidate School of the U. S. Army Air Forces with the rank of second lieutenant is shown in this picture, narrated by Capt. Clark Gable. (H-C)

One reel (800 feet), 22 minutes
Handling charge, \$2.00

WINNING OUR INDEPENDENCE

(TFC, Restricted to Classroom Use)

Adapted from "The Howards of Virginia," this film concerns Matthew Howard who personifies the hardy colonials who have hewn their homes and fortunes out of the wilderness and resent the imposition of unjust taxes by the Mother Country. As a member of the Virginia House of Burgesses, he sides with the others who protest the Stamp Act and the subsequent Declaratory Act. When the House of Burgesses is dissolved by the Royal Governor, Howard becomes a member of the Committee of Correspondence and serves that body until the Revolutionary War breaks out. Then he leaves his family to fight until Independence is won. (J-H-C)

One reel (1200 feet), 34 minutes
Rental, \$3.00

WINNING YOUR WINGS (OWI)

James Stewart as commentator discusses the advantages and opportunities in the U.S. Army Air Corps. He discusses in detail the qualifications required for applicants and the routine of training and technical education through which these applicants accepted for service in the air corps must go. The functions of various members of plane crews are outlined with special emphasis upon the element of team work, the formula for victorious operation by our armed forces. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

WINTER CARNIVAL (NFBC)

Breath-taking thrills on the ski trail, spectacular ice carnivals, sleigh rides and dog derbies are a few of the highlights of a Canadian winter holiday. (Color) (General)

One reel, 11 minutes
Handling charge, \$1.00

WINTER ON THE FARM (EB)

Portrays the adaptation of plants and animals to the winter's cold. We follow Joan and Jerry as they observe animal tracks in the snow, the animals which made the tracks, birds at their feeding station, and farm animals in the barn. Especially enjoyable is the children's trip to the woods to cut a Christmas tree. (Color) (P-I)

One reel, 10 minutes
Rental, \$3.25

WINTER WONDERLAND (USDA)

The ski train arrives in the New Hampshire snow country and the crowd goes by car to White Mountain National Forest. There is a review of dogsledding, snow shoeing and skiing with emphasis on the latter: ski instruction, individual experts, amateurs, and mixed groups in action. Back at the lodge there is a log fire scene featuring a forest ranger who tells the fireside group of winter sports in other parts of the country. (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

WISE BUYING (C)

Relation of your needs to your budget is emphasized. Four "better buying" questions are offered here for audiences to ask themselves when shopping. Some of the important factors like seasonal changes, quantity purchases and product labels are discussed and the effects of wise buying—more, better, and needed goods for less—pointing out that one can raise his standard of living if he plans the spending of his money, and buys wisely. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

WOMEN IN DEFENSE (OWI)

This is a topical exposition of the various roles women are assuming in the war effort; women of science, women in industry, and women in the voluntary services. (H-C)

One reel, 10 minutes
Rental, \$2.00

WONDER IN YOUR OWN BACKYARD (CW)

Presents a boy and girl in their own backyard finding an earthworm, a millepede, a pillbug and some other insects. It clearly presents the general features of the animals, their habitats, and shows how they might be found in any backyard. (Color) (P-I-J)

One reel, 10 minutes
Rental, \$2.50

WONDER OF CHEMISTRY (YA)

This film is designed for use in the middle and upper elementary grades as an introduction to the science of chemistry. Produced under expert supervision, the film uses live photography, models and animation to explain what chemistry is and to prepare the student for the understanding of important terms such as: element, compound, and chemical change. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

WONDERS OF THE SEA

(TFC, Restricted to Classroom Use)

A description of the marine wonderland of the Great Barrier Reef in Australia is given. Giant forms of sea life to be found in that part of the world, such as the

stingray, feathered starfish and octopus, are shown. There are shots of a deep-sea diver exploring the ocean bottom in a special diving bell equipped with a camera. Some incidents in life at the bottom of the sea are also shown. (J-H-C)

One reel, 10 minutes
Rental, \$2.25

WOOD THRUSH (HNP)

Clear natural thrush songs, nesting, hatching, care and feeding of the young, make this an unusual film for nature study and elementary science. (Color) (P-I-J)

One reel, 10 minutes
Rental, \$3.00

WOOD-WIND CHOIR, THE (EB)

The film begins with the third movement of Brahms' First Symphony and ends with the Scherzo from Mendelssohn's Midsummer Night's Dream music, each of these compositions being well suited for displaying the wood-wind instruments. The body of the film is taken up by demonstrations of the individual tone quality of the various instruments and gives pupils opportunity for studying playing techniques. Compositions interpreted in the film to illustrate the use of the wood-wind instruments include excerpts from Rossini's "William Tell" overture, Von Weber's overture "Der Freischutz," Beethoven's Third Symphony, Schumann's piano concerto, and the Second Movement of Brahms' Fourth Symphony. (See Brass Choir, Percussion Group, String Choir, Symphony Orchestra.) (I-J-H-C)

One reel, 11 minutes
Rental, \$2.00

WOODEN FACES OF TOTONICAPAN (OIAA)

Shows the Guatemalan fiestas, including the breath-taking climax of Chichicastenango's famous eight-day celebration. (I-J-H-C)

One reel, 11 minutes
Handling charge, \$2.00

WOODWORKER (VGF)

The film points out that the many phases of the building industry employ thousands of men who work with wood. Furniture, mill work, and pattern making establishments employ woodworking craftsmen in large numbers.

Shows carpenters erecting scaffold, setting forms for concrete foundations and walls. Men are shown constructing a house from foundation through to the flooring and finishing. Mill working operations are portrayed, such as sash and door, stair building, and cabinet assembly. Small cabinet shops offer another field. Work in veneer and furniture factories is outlined. In the woodworking field one can hope to be a foreman, a contractor or to own a shop. The picture closes

with scenes of a student working in the school wood-working class and a summary of how mechanical drawing, mathematics, and sciences will help the student to better prepare himself for the woodworking field. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

WOODY DINES OUT (Castle)

Woody thinks taxidermist's store is a restaurant and demands menu. Cat owns store and can get \$100,000 for a stuffed woodpecker. Tries to dope Woody but the bird is no dope. Takes eight of cat's nine lives in riotous finale. (Color) (General)

One reel, 11 minutes
Rental, \$2.00

WOOL (EB)

Tells the complete story of wool from sheep on a Wyoming range through the final knitting of worsted yarn into sweaters. (P-I)

One reel, 11 minutes
Rental, \$2.00

WOOL, FROM FLEECE TO FABRIC (DL)

Is the story of wool from the backs of sheep to the backs of men. It goes from sheep and shepherds on the high plateaus of the West and rolling hills of the South to the smart shops of the East. En route are seen sequences on shearing, unique methods of packing wool in bags, transportation of these bags by truck, train, and boat to the marketing centers, sampling and appraising the wool in these centers, and the processes through which wool goes on its way to the ultimate consumer. (J-H-C)

One reel (1200 feet), 30 minutes
Rental, \$3.00

WORK OF RIVERS (EB)

Presents dramatically, yet simply, the erosion cycle of water on the earth's surface. The main story is introduced with a brief portrayal of the water cycle in nature. The main story is integrated by motion pictures, specially taken for the picture, presenting examples from many parts of the country. Models and animated drawings are employed to explain such special features as Niagara Falls, deltas, meanders, oxbow lakes, rejuvenated rivers, lakes, water gaps, and sand bars. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

WORK OF RUNNING WATER (EB)

Displays and analyzes the activities of the most effective agent of erosion — running water. Models and scenes from all parts of the world show how running water wears away the land. Many picturesque results of erosion are analyzed. To illustrate stream deposits there is included an unusually complete sequence on the formation of deltas and flood plains. This is

splendidly illustrated by sand table models and aerial scenes of the Mississippi bottom lands. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

WORK OF THE ATMOSPHERE (EB)

Reveals the numerous ways in which the atmosphere plays a part in altering the earth's surface. The film shows how temperature variations and winds disintegrate rocks. The movement of sand, loess, dust, and volcanic dust over great distances on the earth's surface is dramatically visualized. Then follows an explanation of the formation of soil and its significance. (H-C)

One reel, 11 minutes
Rental, \$2.00

WORK OF THE KIDNEYS (EB)

Animated drawings, together with laboratory demonstrations, describe the renal system, the formation of urine, regulation of blood composition, and the functioning of the bladder. Relation of blood pressure to urine flow, and rate of secretion as affected by sugar, water and temperature, are given particular consideration. The film concludes with an analogy between kidney function and the action of a gyroscope. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

WORK OF THE STOCK EXCHANGE (C)

Shows how land, labor, management, and money work together in producing the commodities which are the basis for economic life of America. The growth of a small business is followed from the start as a partnership of three men to the formation of a corporation whose securities are listed by the Stock Exchange. The film shows not only the detailed operation of the Stock Exchange but gives a background of information about the part which the Stock Exchange plays in our entire economic structure. (H-C)

One reel, 16 minutes
Rental, \$3.00

WORKING KNOWLEDGE OF THE NATIONAL GOVERNMENT (KB)

A graphic analysis of our forms of National Government showing and explaining the separate functions of each branch. Actual scenes in Washington, our National Capital, giving a clear mental picture of the magnitude of the business of government. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

WORKING WITH OTHER SUPERVISORS (USOE)

Several supervisors discuss Larry, one of their colleagues, who has been unable to work harmoniously

with them. The question is raised — What can be done about Larry? (H-C)

One reel, 8 minutes
Rental, \$2.00

WORLD AT WAR, THE (OWI)

Gives a graphic history of the years 1931-1941 — from the Japanese invasion of Manchuria in 1931 to the bombing of Pearl Harbor ten years later. The pattern of aggression in China, Ethiopia, Spain, Poland, Belgium, Holland, and France is shown. (J-H-C)

One reel (1600 feet), 44 minutes
Rental, \$4.50

WORLD OF PLENTY (BIS)

Food — its production, distribution and consumption is the subject of this film. The central theme that food is man's security is developed by means of graphic pictures, diagrams, and argument. Prewar problems of overproduction, glutted markets, and hungry people are shown at the film's beginning. (J-H-C-A)

One reel (1600 feet), 45 minutes
Rental, \$4.00

WORLD SERIES, 1946 (IHSA)

Glimpses of the all-star game between the American and National League and of the World Series between the Boston Red Sox and the St. Louis Cardinals. (IHSA members only)

One reel (1200 feet), 30 minutes
Handling charge, \$1.50

WORLD SERIES, 1947 (IHSA)

Show the actions and the highlights of the series. Gives complete coverage of the games. (General)

One reel (1600 feet), 40 minutes
Rental, \$1.50

WORLD SERIES OF 1948 (IHSA)

Shows the highlights of the World Series between the Cleveland Indians and the Boston Braves. (General)

One reel (1600 feet), 40 minutes
Handling charge, \$1.50

WORLD SERIES OF 1949 (IHSA)

The Yankees trip the Dodgers, four games to one, to take the 1949 World's Series. Allie Reynolds and Preacher Roe trade 1-0 shutouts in the first two games, and the Yankees take the next three in a row to clinch an exciting series. (J-H-C-A)

One reel (1600 feet), 40 minutes
Rental, \$1.50

WORLD WE LIVE IN, THE (KB)

A close-up study of our earth as one of the planets is presented, and many interesting and startling facts

about our earth are shown as well as the divisions into hemispheres, etc. There are illustrated animated drawings. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

WRENCHES (USOE)

Different kinds and how to use them. (J-H-C)

One reel (800 feet), 20 minutes
Rental, \$3.00

WRITING BETTER BUSINESS LETTERS (C)

Jim is fortunate in having a friend like Eddie at hand to show him how his poor business letter might spoil their vacation plans. In an entertaining presentation this film emphasizes the three principal characteristics of a good business letter: clarity, brevity, and courtesy. (J-H)

One reel, 10 minutes
Rental, \$2.00

WRITING BETTER SOCIAL LETTERS (C)

Writing letters for many people is a chore, an effort to be put off and finally done — unsatisfactorily. This film shows that good letters can be written easily and naturally, and makes a pleasant occupation out of what was once an unpleasant task. Simple principles of letter writing which will help students write better social letters with less effort are effectively demonstrated. (J-H-A)

One reel, 11 minutes
Rental, \$2.00

WYOMING AND ITS NATURAL RESOURCES (USBM)

A beautiful color film showing the natural wonders of several of America's recreation areas: Jackson Hole Country, Rocky Mountain and Yellowstone National Parks. Important industries of Wyoming are also shown. (Color) (General)

One reel (1200 feet), 33 minutes
Handling charge, \$1.00

YANKS ARE COMING, THE

(TFC, Restricted to Classroom Use)

The Yanks Are Coming is a picture of America under the influence of wartime emotions.

Composed, for the most part, of newreel shots taken from 1917 to 1919, it opens with the Lusitania sailing from the harbor. Then we see newspaper headlines announcing the declaration of war. Troops are shown boarding ships. Ships, being loaded with war supplies in this country, are unloaded in France. Citizens parade, sell liberty bonds. There are war posters everywhere. We see ships being built; ammunition factories are humming. There are scenes also of fighting on the western front.

Finally, the armistice is celebrated. The peace conference, with pictures of Lloyd George, Clemenceau, and Woodrow Wilson, is seen. American troops are returning home.

The musical background includes a chorus singing popular songs of the period. (General)

One reel, 11 minutes
Rental, \$2.50

YANKS BOMB TOKYO (UW)

In this film we see the detailed preparations which were made by Major Doolittle and his men prior to the historic raid on Tokyo. These scenes were taken aboard the United States aircraft carrier, the Wasp — "Shangri-La." The take-off of the heavy bombers is likewise shown. Animated diagrams indicate the path of the flyers. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

YARN AND CLOTH CONSTRUCTION (C)

Shows a great many of the progressive stages of converting raw fibers into completed fabrics. Magnification is used throughout the film to clearly show students differences in fabrics and in weaves. (For other titles in this series see Basic Fibers in Cloth.) (J-H-C)

One reel, 11 minutes
Rental, \$2.00

YELLOW JACK (MGM)

Presents the work of Major Walter Reed with the Yellow Fever Commission and the heroism of the volunteers for his experimentation. Shows the problems which confronted Major Reed in conquering the dreaded "yellow jack," and the experiment by which he proved that the disease was carried by the stegomyia mosquito. (I-J-H)

One reel (1200 feet), 29 minutes
Rental, \$4.50

YELLOWSTONE (ESF)

Presents Yellowstone National Park with its boiling springs, fantastic rock formations and spectacular eruptions of geysers. Depicts the wildlife of the Park. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

YES, BANANAS (UFC)

This is an exceptionally well-produced film depicting the industrial and agricultural processes connected with the banana industry. It is free from objectionable advertising. The commentary is by Alois Havrilla. (I-J-H)

One reel, 11 minutes
Handling charge, \$1.00

YESTERDAY AND TODAY (IH)

Demonstrated in this film are the old and new ways of farming. Many of the modern methods are contrasted to the old slow methods used by our grandfathers. The cornpicker, combine, baler, and plow are some of the machines described in detail. (J-H-C)

One reel, 10 minutes
Handling charge, \$1.00

YOU AND YOUR BICYCLE (PRP)

Covers all phases of bicycle safety, including maintenance. Shows the necessity for alertness; correct arm signals; types of intersections and what to watch for; varying road surfaces; where and how to park; hazards to watch for while riding; riding at night; how to carry bundles; etc. A portion of the film shows unsafe practices to avoid and what will happen if they are followed. In this group are shown hitching rides, stunting, riding double, passing cars on the wrong side, etc. (I-J-H-A)

One reel, 11 minutes
Rental, \$2.00

YOU AND YOUR FAMILY (YMCA)

Designed to help audiences discuss the problems of how young people and their parents should act toward one another in the everyday business of living together, this film shows typical family problems and invites the observer to join in the discussion to follow the showing of the film. (H-C)

One reel, 11 minutes
Rental, \$2.00

YOU AND YOUR FRIENDS (YMCA)

Is a participation film showing a teen-age party. The audience is asked to listen to the dialogue and watch the action on the screen carefully in order to evaluate different types of behavior. (H-C)

One reel, 11 minutes
Rental, \$2.00

YOU AND YOUR PARENTS (C)

The issue of parental authority is one that touches every home where there are growing children. So this film becomes especially important to parents, youth counselors, and social leaders as well as teachers. The process of "growing away" from the family is described as a natural and normal one in this film. But audiences see how it can lead to difficulties in the home if both parents and children do not take the time to understand each other's problems. The film points out that greater freedom and responsibility are given to children on the basis of real maturity, not just calendar side, etc. (I-J-H-A)

One reel (800 feet), 15 minutes
Rental, \$3.00

YOU AND YOUR TIME (ASF)

Presents teen-agers with the problem of how to make the best use of one's time. Same questions or situation format as in other art of living subjects. (J-H)

One reel, 11 minutes
Rental, \$2.00

YOU AND YOUR WORK (C)

Being satisfied and happy in one's work, the right attitude and approach to a job, achieving personal adjustment—these are basic problems which the vocational guidance worker must help others solve. This is the story of Judd Taylor, his failure in a good job, and of his ultimate rehabilitation and success. (H-C)

One reel, 10 minutes
Rental, \$2.00

YOU BET YOUR LIFE (PRP)

Designed to teach standard driving practices as approved by the uniform vehicle code, including road signs, markings and proper signaling. (J-H-A)

One reel, 11 minutes
Rental, \$2.00

YOU CAN BEAT THE A-BOMB (RKO)

Shows that your chances of surviving the A-bomb attacks are better than you think. You are not helpless, but you may have only 3 seconds to act. Stresses preventive measures to be taken—types of bomb shelters, building safety, first aid for victims, and how to dispose of contaminated food and clothing. (H-C-A)

One reel (800 feet), 20 minutes
Rental, \$6.00

YOU, THE PEOPLE

(TFC, Restricted to Classroom Use)

This dramatic short features the operations of a corrupt city political machine. Methods of coercing campaign contributions, stuffing ballot boxes and persuading citizens that voting is of no use are effectively portrayed. This picture successfully implies that the cast might be any Mr. and Mrs. Citizen. The moral is effective. Well organized, directed, and photographed. (H-C)

One reel (800 feet), 22 minutes
Rental, \$3.00

YOU'LL TAKE THE HIGH ROAD (NFBC)

The film takes a sight-seeing tour of the Canadian Rockies via the new Banff-Jasper national highway through the scenic beauty of Canadian natural wonders. Along the 186 miles of roadway, such sights as the Valley of the Crooked Trees, The Columbian Ice Fields, and mountain lakes point out the grandeur of the region. Wildlife abounds in a very docile state, unperturbed by the presence of man. Some of the scenes taken are truly of breath-taking beauty. (Color) (General)

One reel (500 feet), 12 minutes
Handling charge, \$1.00

YOUNG URUGUAY (OIAA)

Uruguay has a low rate of illiteracy. The reason is set forth in Julien Bryan's film describing the educational system of that country. The excellent system including rural schools, universities and colleges is described in detail. The people's recreation, sports and amusements are shown in their relationship to the educational program. (J-C)

One reel (800 feet), 20 minutes
Handling charge, \$2.50

YOUR CHILDREN AND YOU (BIS)

This subject concerns the care of young children from the first months to the age of four or five. It realistically portrays the struggles of average imperfect parents and average imperfect children. Although the film is mainly a counsel of perfection, the suggestions are practical and parents could adopt them all without growing wings. (General)

One reel (1200 feet), 31 minutes
Rental, \$3.50

YOUR CHILDREN'S EARS (BIS)

Few people are born deaf, and all too frequently loss of hearing in later life is due to carelessness and ignorance. In this film, the physiology of the ear is explained in detail by animated diagrams. Often children who appear dull and unresponsive are suffering from hearing difficulties, which can easily be cleared up if given proper medical attention. (General)

One reel (800 feet), 15 minutes
Rental, \$3.00

YOUR CHILDREN'S EYES (BIS)

Rest, recreation, and good food are necessary to healthy eyesight. Medical advice must be sought in cases of organic defects or diseases, but the application of logical common sense in daily life will keep a healthy eye healthy. Amusing animated diagrams depict the physiology and care of the eye. (General)

One reel (800 feet), 20 minutes
Rental, \$3.00

YOUR CHILDREN'S MEALS (BIS)

This is a lively and imaginative attempt to make parents understand the rhyme and reason of good eating habits. In a series of incidents, the film makes points about many of the difficulties which occur three times a day. There are no ready-made solutions to every problem, but the film shows parents how they can see mealtime from the child's point of view as well as their own. (General)

One reel (800 feet), 14 minutes
Rental, \$3.00

YOUR CHILDREN'S SLEEP (BIS)

In their everyday lives, children have their own particular problems to overcome. Insignificant to an adult, to a child they are important and even frightening. They can cause sleeplessness or nightmares. This film stresses the importance of sound, healthy sleep, and advises parents on the ways in which they can ensure it for their children. (General)

One reel (800 feet), 23 minutes
Rental, \$3.50

YOUR CHILDREN'S TEETH (BIS)

The film explains the structure of first and second teeth. The child should be given a well-balanced diet

and taught the proper method of brushing the teeth. Decay should be attended to at once, for in its advanced stages it may poison the whole system. (General)

One reel (800 feet), 14 minutes
Rental, \$3.00

YOUR FAMILY (C)

The delightful story of a happy family, the Brents. They have difficulties, of course, but through mutual understanding and acceptance of responsibility, through cooperation, they have achieved that vital sense of unity so necessary to a happy, harmonious home life. This picture will develop an appreciation and understanding of the family as a social unit and the role of the individual in that unit. (Primary)

One reel, 11 minutes
Rental, \$2.00

YOUR FAMILY BUDGET (C)

Who makes up a family budget? How is a family budget operated? If well-planned and operated, does a family budget contribute to family well-being and happy relations? These and other important questions are answered in this film. The budget, methods of preparation, and values of budgets were carefully planned and checked. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

YOUR FRIEND, THE DOCTOR (C)

For the well-being of the school and for the healthy growth of the individual, primary grade youngsters should have certain medical attention and care. This film helps children understand some of the functions of the doctor in their lives and motivates them to "be friends" with their doctor. Through the experiences of a new boy in town who finds a new doctor, young audiences will come to understand just what the doctor does and why it is important for them to cooperate with him and help him. (P-A)

One reel, 10 minutes
Rental, \$2.00

YOUR MOVIE CAMERA AND HOW TO USE IT (HFE)

Humorous presentation designed to help the amateur enjoy his camera. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

YOUR POSTAL SERVICE (MOT)

The inner workings of the U.S. Post Office including the hundreds of thousands of men and women who daily cope with the ever-increasing avalanche of mail. Behind all this are the postal inspectors who protect the privacy of our communications and safeguard the things of value while they are in the mail.

One reel (800 feet), 22 minutes
Rental, \$2.50

YOUR THRIFT HABITS (C)

Teaches students a lesson in thrift they should remember all their lives. After they've seen this film students will realize that by setting up a budget for systematic savings, by careful buying, doing without extravagances, and choosing between immediate and future satisfactions, they'll attain many material goals in life. (I-J-H)

One reel, 10 minutes
Rental, \$2.00

YOUR VOICE (EB)

The four phases of voice production are explained: respiration, phonation, resonance and articulation. Real-life photography shows the vocal folds in operation. Exercises for the improvement of the voice are suggested. (H-C)

One reel, 11 minutes
Rental, \$2.00

YOURS IS THE LAND (EB)

Stresses the interdependence of the four great natural renewable resources: soil, water, forests and grasslands, and animal life. Portrays ways in which some of these resources came to be. Exposes the results of man's practice of taking too much from the earth in too short a time. Emphasizes the need for a system of orderly management of our natural resources. (Color) (H-C-A)

One reel (800 feet), 22 minutes
Rental, \$6.00

YOURS TRULY, ED GRAHAM (ILI)

Presents the story of typical people and their problems—the search for personal and family security. Shows the role of the life insurance agent in his community. Suitable for school, church, and club showings. (General)

One reel (800 feet), 25 minutes
Handling charge, \$1.00

YOUTH BUILDS A SYMPHONY (NMCM)

The National Music Camp at Interlochen, Michigan, is the location of this film. The daily routine, a few of the many guest conductors, and organizational and sectional rehearsals are included. The recreational facilities and the beautiful grounds of the camp are pictured. (Color) (J-H-C)

One reel (1200 feet), 33 minutes
Rental, \$4.00

ZINC—ITS MINING, MILLING AND SMELTING (USBM)

Shows geographic location of zinc-bearing ores in U.S. and a mining community in New York, miners descending mine, entering tunnels, and arriving at cavernous slopes from which ore is mined. Safety precautions are illustrated in actual operations. Animated diagrams clarify complicated processes of crushing, screening, chemical separation and flotation, roasting, sintering, and smelting in electric furnace in preparation of metallic zinc and zinc oxide. Closing scenes show some principal industrial uses of zinc oxide and metallic zinc. (J-H-C)

One reel (1200 feet), 30 minutes
Handling charge, \$1.00

ZOO, THE (EB)

This is a visit to one of America's largest and most modern zoos. All the animals are displayed in large outdoor areas, some of which simulate the animals' native habitat. Although some visitors are seen, the major emphasis is on the animals—their characteristic actions, their unique coloration, and their feeding habits. (Color) (P-I)

One reel, 11 minutes
Rental, \$3.25

DESCRIPTION OF SILENT FILMS

FOR FEES, RULES,
AND SUGGESTIONS,
SEE PAGES 5-7

ABC OF POTTERY MAKING (BFS)

Excellent film showing some of the common tools used, thorough wedging of the clay, and rolling the coils. Detailed demonstrations of forming the base, applying the coils, blending one coil into another, shaping on the potter's wheel, and smoothing with wet sponge. (I-J-H-C)

One reel, 11 minutes
Rental, \$1.00

ABOUT BANANAS (UFC)

Depicts the cultivation of bananas in Central America and the West Indies, and the preparation of the crops for shipment. It is adapted to use in geography classes, as it shows scenes of native life. (I-J-H)

One reel, 15 minutes
Handling charge, \$1.00

ABRAHAM LINCOLN (EB)

A swift and inspiring picture of the life and times of the Great Emancipator. Reel 1 (The Pioneer) — Lincoln's youth — first contacts with the world, slavery, and politics — postmastership at New Salem — removal to Springfield — marriage and family life — Lincoln-Douglas debates — endorsement and nomination for President — departure for Washington. Reel 2 (The Statesman) — Fort Sumter — call for volunteers — scenes of the war — visit to a field hospital — Lincoln's clemency — Emancipation Proclamation — Gettysburg — final campaigns — Lee's surrender — Lincoln's death. (I-C)

Two reels, 30 minutes
Rental, \$3.00

ACTIVITIES OF DIAGNOSTIC LABORATORIES (USDS)

Illustrates the activities which are carried on in the laboratory of the Illinois State Department of Public Health. Examining dog's head for rabies; making tests for diseases; collecting blood serum for convalescents for use in the treatment of infantile paralysis. Shows importance of laboratories in the control of disease. (I-C)

One reel, 15 minutes
Handling charge, \$1.00

ADVENT OF ANESTHESIA (MCC)

Re-enacts the famous Morton operation in the Ether Dome of Massachusetts General Hospital, Boston. The characters are costumed in the period of the time. This is an authentic dramatization of a milestone in the history of medicine and surgery. The film bears the seal of approval of the American College of Surgeons. Compare the film entitled "Manufacture of Anesthetic Ether." (I-J-H)

One reel, 15 minutes
Handling charge, \$1.00

ADVENTURES OF PETER (EB)

Peter, a fox terrier, goes camping and meets with many adventures. He encounters a baby wildcat, a

common mole, a badger, an armadillo, a porcupine, a hornet's nest, some skunk kittens, some owls, and some black bears. (P-I)

One reel, 10 minutes
Rental, \$1.00

AIRPLANE SHEET METAL WORK (WG)

Shows some of the basic training projects students undertake to qualify them for this exacting work which is blueprint reading and drafting procedure. (H-C)

Two reels, 20 minutes
Rental, \$2.00

AIRPLANE WELDING (LF)

Covers the process of oxygen-acetylene welding in aviation mechanics. (C-A)

Two reels, 20 minutes
Rental, \$2.00

ALASKA (EB)

Depicts the scenery, industries, and life of Alaska: gold mining, salmon fishing, seal hunting, whaling, native life and schools, and the prosperous farms of American settlers. This film helps to dispel the belief that Alaska is a country of only glaciers, ice, snow. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

ALICE IN WONDERLAND (Castle)

Alice goes through the looking glass into a world of fantasy. She watches the characters dance, then dances with the king of the cards. She is crowned queen. (General)

One reel, 11 minutes
Rental, \$1.00

AMERICA'S POLAR TRIUMPH (FOC)

This is the complete and official motion picture record of the first flight over the North Pole made by Commander Byrd. All of the steps in this perilous and adventurous journey are shown including the difficulties in getting the big Fokker plane across the ice floes of King's Bay; preparation at Spitzbergen, the base of supplies; visits from the Norge with Amundsen and Ellsworth aboard; and their greeting after Byrd's plane had successfully circled the pole. (J-H-C)

Two reels, 30 minutes
Rental, \$1.50

ANIMALS OF THE CAT TRIBE (EB)

In this subject are included the domestic cat and kittens; tiger and leopard kittens playing with children; lions and cubs. The differences in external appearance of these animals are pointed out in unmistakable fashion. In spite of these differences, however, the behavior of the various individuals clearly demonstrates their close relation to the cat tribe. (P-I)

One reel, 8 minutes
Rental, \$1.00

ANTHRACITE COAL (EB)

Shows the mining of hard coal and the necessity for proper timbering. The various processes of blasting, removing, and grading coal are shown in related sequences. (I-J-H)

One reel, 15 minutes
Rental, \$1.00

ANTS (DEV)

A film showing some of the interesting facts about the eggs, larva, pupa, and work of ants. (P-I)

One reel, 7 minutes
Rental, \$1.00

ANTS, NATURE'S CRAFTSMEN (FOC)

More advanced film than the one above for older students. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

ARCHERY WITH LARRY HUGHES (BFS)

An interesting and instructive picturization of proper bow and arrow technique as demonstrated by Larry Hughes, Men's International Target Archery Champion. Endorsed by the American Association of Health, Physical Education, and Recreation. (I-J-H-C)

One reel, 6 minutes
Rental, \$1.00

ARGENTINA (EB)

Portrays this South American republic as essentially agricultural and pastoral. Covers Patagonia, a region of sheep grazing; the arid uplands, which produce heavy crops of sugar cane and grapes with the aid of irrigation; the pampas, a flat expanse of loess combining natural grazing grounds in the heart of Argentina with rich agricultural areas near the seaboard. The Transandean Railroad, the port cities of Bahai Blanca and Buenos Aires, and the Victoria Falls of the Iguassu are shown. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

ARID SOUTHWEST, THE (EB)

Depicts the world location of hot deserts—effects of wind and erosion in the Arizona Desert—desert plants and animals—nomadic life of the Navajo. (I-J-H-C)

One reel, 15 minutes
Rental, \$1.50

ASBESTOS (USBM)

Shows sources of asbestos in mountains of Arizona and at Asbestos, Quebec. Blasting, combing, loading, crushing, removing of moisture, screening, and bagging of asbestos. Scenes follow showing the making of textiles, fireproof rope, packings, asbestos paper, and fireproof shingles from asbestos. (J-H-C)

Two reels, 30 minutes
Handling charge, \$1.00

ATMOSPHERIC PRESSURE (EB)

Illustrations of unbalanced air pressure, including the well-known Magdeburg Hemisphere demonstration. Atmospheric variations in pressure between valley and hilltop, and between land and water, are clearly presented. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

AUTOMOBILE (EB)

By tracing production and use of iron, rubber, glass and gasoline in the automobile, the film presents a striking picture of the interdependence of industries. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

AUTOMOBILE LUBRICATION (USBM)

Stresses the importance of lubrication not only in reducing friction and repair and gasoline bills, but also in increasing driving comfort and safety. (J-H-C)

One reel, 15 minutes
Handling charge, \$1.00

BABY BEAVERS (EB)

This is a short reel with simple titles for small children. Baby beavers swim with their mother and try to climb on her back. The babies comb their fur with their paws, play in the sunshine, scamper to the near-by stream. The most adventurous climb over a dam; the rest swim and dive with their mother. (P-I)

One reel, 5 minutes
Rental, \$1.00

BABY SONGBIRDS AT MEALTIME (FOC)

A delightful little nature study which deals almost entirely with little songbirds and their eating habits. It shows many fascinating pictures of parent birds feeding their nestlings. Some of the birds treated in this film are sparrows, linnets, canaries, bullfinch, titmice, the long-tailed tomtit, European warbler and the marsh wren. (P-I)

One reel, 15 minutes
Rental, \$1.50

BACTERIA (EB)

A culture medium is made, and bacteria from vinegar, water, rich earth, and dust are carefully grown, and subsequently stained and examined. (J-H-C)

One reel, 12 minutes
Rental, \$1.50

BAHAMAS—FROM THE BAHAMAS TO JAMAICA (EB)

Deals with the Bahamas, Cuba, and Jamaica. It pictures the city of Nassau and the sponge industry of the Bahamas; Havana and the sugar and tobacco industries of Cuba; Kingston, and Jamaican native life and industries. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

BALBOA (HOP)

This is a shadow-graf film made by a new system developed by M. C. Morrison, co-author of "Films in the Classroom" and a noted authority on Visual Education. The casts are entirely made up of fourth and fifth grade students. (I)

One reel, 15 minutes
Rental, \$1.50

BALI (Castle)

Tells of the location and topography of Bali; shows scenes of elaborately carved temples. Rice, the staple food, is shown being cultivated and threshed by semi-nude women. Shows the customs of trade among the natives in the village market square. (H-C-A)

One reel, 15 minutes
Rental, \$1.50

BEARS (EB)

Pictures American Black Bears, European Brown Bears, Malay Bears and Polar Bears. The bears climb trees, beg for food and play in ice-cold water. (P-I)

One reel, 5 minutes
Rental, \$1.50

BEAVERS (EB)

These busy workers repair a break in a dam, then take time out for lunch. Views of trees which they have cut down, beaver-made canals, the storage of food, beaver homes, and baby beavers at different ages, make a most interesting and instructive film. (P-I-J)

One reel, 11 minutes
Rental, \$1.50

BEET AND CANE SUGAR (EB)

Locates the various world regions in which the plants are found—shows the way juice is obtained and refined—and how the sugar is dried and molded into cubes by automatic machines. (I-C)

One reel, 15 minutes
Rental, \$1.50

BEHAVIOR OF LIGHT, THE (EB)

Presents the ideas of transmission, shadows, and eclipses. Explains the formation of images in plane, convex, and concave mirrors. Demonstrates the cause of refraction. Illustrates dispersion, color, and the rainbow. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

BEHIND THE CUP (CHU)

Gives the complete story of coffee from tree to cup: planting the seeds; growing the trees; picking the berries; blending, roasting; grinding and packing. (I-J-H)

Two reels, 30 minutes
Handling charge, \$1.50

BENJAMIN FRANKLIN (DEV)

This film reproduces some scenes from the life of Franklin. Produced circa 1920. (P-I)

One reel, 15 minutes
Rental, \$1.50

BETWEEN THE LINES (HEB)

This film deals entirely with children in an elementary class and with the single subject of crossing between the white lines at an intersection. As the result of one small girl's being struck by a car while trying to cross the street in the middle of a block, the other children of her class become interested in safety. She explains to them how the accident happened. The children themselves decide that what is needed is a set of lines marking a cross walk at the intersection. They write to the mayor of the city requesting the lines. The mayor visits the classroom, where the children show him their table model and their suggestion for the cross walk. At the mayor's request, the lines are painted, and the film closes with sequences showing the children, grown-ups, the postman, workmen and others using the painted cross walk. The girl who had been in the accident goes to the curb, looks both ways, then crosses "Between the Lines." (P-I)

One reel, 12 minutes
Rental, \$1.50

BIRD HOMES (E)

Shows the beach and marsh homes of the least tern, killdeer, stilt, gull, pied-billed grebe, etc.—the meadow homes of the bobolink, spotted sandpiper, horned lark, meadow lark and burrowing owl—the skyscraper homes of cormorants, puffins, duck hawks, flickers, etc.—and the homes of birds which build near the ground, such as the cuckoo, wood thrush, yellow warbler, redstarts, and humming bird. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

BIRDS OF NORTH AMERICA — PART I (HNP)

This is a masterful portrayal of wild bird life showing in authentic colors the birds at their useful work, marks of identification, economic value, construction and location of their nests, the eggs, and the care and feeding of young. Birds shown are the spotted sandpiper, killdeer, mourning dove, yellow-billed cuckoo, black-billed cuckoo, downy woodpecker, northern flicker, prairie horned lark, purple martin, and barn swallow. (Color) (J-H-C)

One reel, 15 minutes
Rental, \$2.50

BIRDS OF NORTH AMERICA — PART II (HNP)

This is a masterful portrayal of wild bird life showing in authentic colors the birds at their useful work, marks of identification, economic value, construction

and location of their nests, the eggs, and the care and feeding of young. Some birds shown are the tufted titmouse, black-capped chickadee, white-breasted nuthatch, eastern house wren, catbird, brown thrasher, eastern robin, wood thrush, eastern bluebird, and cedar waxwing. (Color) (J-H-C)

One reel, 15 minutes
Rental, \$2.50

BIRDS OF NORTH AMERICA — PART III (HNP)

This is a masterful portrayal of wild bird life showing in authentic colors the birds at their useful work, marks of identification, economic value, construction and location of their nests, the eggs, and the care and feeding of young. Birds shown are the red-eyed vireo, black and white warbler, Louisiana water thrush, black-throated green warbler, American redstart, yellow warbler, myrtle warbler, Kentucky warbler, eastern cowbird, and Baltimore oriole. (Color) (J-H-C)

One reel, 15 minutes
Rental, \$2.50

BIRDS OF NORTH AMERICA — PART IV (HNP)

This is a masterful portrayal of wild bird life showing in authentic colors the birds at their useful work, marks of identification, economic value, construction and location of their nests, the eggs, and the care and feeding of young. Birds shown are the ring-necked pheasant, bobwhite, broad-winged hawk, eastern sparrow hawk, eastern screech owl, saw-whet owl, eastern hairy woodpecker, red-bellied woodpecker, and yellow-bellied sapsucker. (Color) (I-J-H-C)

One reel, 15 minutes
Rental, \$2.50

BIRDS OF NORTH AMERICA — PART V (HNP)

This is a masterful portrayal of wild bird life showing in authentic colors the birds at their useful work, marks of identification, economic value, construction and location of their nests, the eggs, and the care and feeding of young. Birds shown are the ruby-throated hummingbird — flight, ruby-throated hummingbird — nesting, eastern phoebe, crested flycatcher and northern cliff swallow. (Color) (I-J-H-C)

One reel, 15 minutes
Rental, \$2.50

BIRDS OF PREY (EB)

Unusual eyes, beaks, feet, and feather structure, which assist birds of prey in food gathering, are featured. A goshawk in slow motion photography, a peregrine and young, a marsh hawk, rough-legged hawks, barn owls, a great horned owl, black vultures, and bald eagles are pictured. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

BIRDS OF THE SEACOAST (EB)

Illustrates how water birds are equipped with long wings, webbed feet, food pouches, and bills for procuring food. Young gulls hatching out, terns' eggs, skimmers' nests, and colonies of murres, cormorants, and pelicans are shown. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

BIT OF LIFE IN JAVA (FOC)

In the far-off Malay Archipelago, lies Java with her backbone of volcanic mountains and her fertile valleys that hold relics of a day when she was an Indian colony. The finest of these is the Buddhist ruin of Borobudur, carved and arched in ancient manner. Now Java is a Dutch dependency, thickly populated and with many thick-walled cities. Her people are a Mongolian mixture, whose dress, cleanly habits and transportation and marketing facilities are shown in this picture. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

BITUMINOUS COAL (EB)

Shows mining of soft coal — testing for gas, blasting, purifying air, slate picking, sorting. Also manufacture of coke — crushing, floating off slate, beehive and retort ovens, quenching and loading. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

BLOOD (E)

Illustrates the separation of plasma from blood cells, protein and salts from plasma — staining cells — counting red blood corpuscles — how white blood cells reach the body tissue — clotting of blood. (J-H-C)

One reel, 12 minutes
Rental, \$1.50

BLOOMING DESERT (SM)

Just a little rain on the deserts of our Southwest will encourage the growth of many unusual plants and the appearance of beautiful flowers of cacti, poppies, verbenas and primrose whose brilliant color is almost beyond belief. (Color) (J-H-C)

One reel, 15 minutes
Rental, \$2.00

BOATS AND FISHERMEN OF THE TROPICS (FOC)

Shows the different types of boats used by the Fiji Islanders, including the sailing of outrigger canoes, the use of kayaks, and umiaks, or "women boats"; the primitive but efficient methods of fish-spearing and net fishing practiced by groups in the Fiji Islands. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

BODY FRAMEWORK (EB)

Shows how the skeleton determines shape and size of the body, and how it protects the vital organs. Demonstrates details of bone structure and composition, changes during growth, mending of a fractured bone, relation of sunlight and cod-liver oil to bone development and joint action. (I-C)

One reel, 15 minutes
Rental, \$1.50

BOLIVIA (EB)

Indicates the progress made in developing the resources of Bolivia in spite of conditions that render travel and communication difficult. The units are: (1) Physical Features; (2) Rural Life; (3) Mines and Cities. An animated map and actual photography emphasize the major geographical regions, point out main travel routes, and indicate mining districts. Life on the yungas, a mining town, and the city of La Paz are shown. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

BOONE TRAIL (EB)

Visualizes, with maps and photography, the Appalachian Valley: prosperous farm lands and minerals, forests, and primitive life at a mountaineer's cabin; the Bluegrass region of Kentucky—tobacco and hemp crops, dairy cattle, champion horses. (J-H)

One reel, 15 minutes
Rental, \$1.50

BOWLING ACES (UW)

Watch the topnotch bowlers in action. They have perfect form from the first step through the time that the ball smacks down the pins. Close-ups and slow motion photography reveal the finer points of bowling. As an added feature the expert demonstrates several trick shots. (J-H-C)

One reel, 16 minutes
Rental, \$1.50

BRAZIL I (EB)

Amazonian Lowlands—Locate the immense drainage basin of the Amazon River. Shows the wildlife, native Indians, jungle products—Brazil nuts and wild rubber—and the cities of Manaus, Santarem, Belém (Para). (I-J-H)

One reel, 15 minutes
Rental, \$1.50

BRAZIL II (EB)

Eastern Highlands—Outlines the principal agricultural and industrial products of Eastern Brazil—coffee, cacao, cassava (manioc), sugar, tobacco, pineapples, silk, and shoes. Shows São Salvador (Bahia), São Paulo, Santos, and Rio de Janeiro. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

BREATHING (EB)

Excellent scenes and animations stress the importance of good lungs, and explain the action of the

diaphragm, breathing, lung structure and function. (I-C)

One reel, 15 minutes
Rental, \$1.50

BRE'R RABBIT AND HIS PALS (FOC)

This is an intimate study of animals that come under the classification of rodents. It deals with rabbits, squirrels, prairie dogs, woodchucks, mice, jerboas, and marmots. This film not only shows a close-up working skeleton of the jaws that distinguish this class of animals, but also shows in detail the fascinating story of hibernation. (P-I)

One reel, 15 minutes
Rental, \$1.50

CAMERA MAGIC (Castle)

Camera stunts—such as “headless” woman, human fly, reverse action, etc. (J-H)

One reel, 15 minutes
Rental, \$1.50

CANADIAN ROCKIES (SM)

Scenes from Lake Louise, Mt. Victoria, Moraine Lake and views along the highway past Bow Lake, Bow Glacier, Sunwahta Falls to Jasper make up this colorful film journey. (Color) (J-H-C)

One reel, 15 minutes
Rental, \$2.50

CARBON-OXYGEN CYCLE (EB)

Presents use of carbon in fuel and food, and the function of oxygen in releasing energy and carbon dioxide. The energy cycle is involved, hence, this picture forms a natural sequence to such films as “Energy from Sunlight” and “The Green Plant.” (J-H-C)

One reel, 15 minutes
Rental, \$2.50

CARE OF THE TEETH (EB)

A film that records, by labeled radiographs, animated drawings, and actual photography, the parts of a tooth, prophylactic treatment, the progress of decay, the effects on the teeth of bad habits and disease, and the rules for systematic home care and brushing of teeth. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

CATTLE (EB)

Pictures life on a cattle ranch—separating calves and cows—dipping cattle—driving a herd to loading station—a stampede—a rodeo. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

CELL DIVISION (WI)

Was made by photographing the dividing cells of the fibroblasts of a rat. The formation of the spireme by the chromatin of the nuclei; the organization of the

chromosomes at the equator of the nuclear spindle; the separation of the chromosomes and their migration to the poles of the spindle; the two resulting nuclei; the division of the cytoplasm and the two resulting cells from each fibroblast are very strikingly shown. This film is especially worth while to students of biology. (H-C)

One reel, 15 minutes
Rental, \$1.50

CENTRAL AMERICA (EB)

Depicts characteristic scenes in town and country, methods of logging mahogany, growing and harvesting of bananas, cacao, and coffee. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

CHAMPIONSHIP BASKETBALL (BFS)

Nat Holman, head basketball coach of the College of the City of New York, here explains modern basketball, and by use of slow motion, close-up shots, and animation shows the details of the many plays used in this great sport. (I-J-H-C)

One reel, 11 minutes
Rental, \$1.50

CHAMPLAIN (HOP)

This is a shadow-graf film made by a new system developed by M. C. Morrison, co-author of "Films in the Classroom" and a noted authority on Visual Education. The casts are entirely made up of fourth and fifth grade students. (I)

One reel, 15 minutes
Rental, \$1.50

CHANGES IN GROUP ATMOSPHERE (UIO)

This is one of a series of four reels which gives typical examples of child behavior under experimentally controlled conditions. Each film may be used separately or in different combinations. All four were made under the direction of Dr. Kurt Lewin. Some were made in Germany and the others at the University of Iowa. These films are intended for use in psychology classes and other groups studying basic child behavior. No study guides are available so these films should be used by experts familiar with the child psychology.

Other titles in this series are The Child and Field Forces, Field Forces as Impediments to Performance, and Social Climate of Groups. (C)

One reel, 15 minutes
Rental, \$2.00

CHEMICAL EFFECTS OF ELECTRICITY (EB)

The action of two electrodes in an electrolyte is traced from crude beginnings by Volta, through mod-

ern battery manufacture and use, electrolysis, electroplating, and electrotyping, to the metallurgy of copper and aluminum. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

CHILD AND FIELD FORCES, THE (UIO)

This is one of a series of four reels on child behavior. For description see Changes in Group Atmosphere. (C)

One reel, 15 minutes
Rental, \$1.50

CHILD CARE — BATHING THE INFANT (EB)

Various types of equipment which may be employed in bathing the baby are shown in use, as well as the correct methods of handling the infant during the bathing operation. The enamel tub, the folding rubber tub and canvas table, and the "Spray-tray" are used. The routine of dressing the baby is also shown. Full-screen close-ups illustrate the cleaning of the nose, ears, and eyes, and the baby's clothes. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

CHILD CARE — FEEDING THE INFANT (EB)

This is a detailed picturization of the routine of feeding the breast-fed and bottle-fed baby. The preparation of utensils used, the procedure of making up the feeding formula, and the feeding operations are shown. The addition of other foods to the diet as ordered by the doctor is illustrated in the preparation and feeding of orange juice, soft solids, and cod-liver oil. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

CHILDREN'S AIRPORT EXCURSION (PP)

Forty-two children emerge from a modern school bus at an airport, and thrill at: fantastic looking radio equipment; typewriters that run themselves; airmail delivery methods; radiophone communication; planes taking off, and planes landing; huge hangars, and in them huge planes equipped with a maze of instruments. (P-I)

One reel, 15 minutes
Rental, \$1.50

CHILE (EB)

The scattered settlements, native Indian life, lumbering and sheep raising in rugged South Chile; the copper and nitrate industries of arid North Chile; a comparison of fertile Central Chile with California; harvests of wheat and grapes; views of Santiago, Valparaiso, and route of the Transandean Railroad. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

CHIMP, THE AVIATOR (Castle)

Chimp performs gymnastics in mid-air. (P-I-J)

One reel, 15 minutes
Rental, \$1.50

CHIMP'S JAMBOREE (Castle)

Chimp visits a big amusement park, tries the thrill rides, judges a bathing beauty contest and rescues a woman from the top car of a towering Ferris wheel. (P-I)

One reel, 15 minutes
Rental, \$1.50

CHIMP'S VACATION (Castle)

Chimp goes to Florida for health and fun and gets plenty of both in a mischief-filled movie. He makes merry with coconuts, a bicycle, a turtle and a little girl. The story ends in a riot of fun, with a cloud of feathers and a vacuum cleaner. (P-I)

One reel, 15 minutes
Rental, \$1.50

CHRISTMAS TOY SHOP (C)

Combines live photography with animated cartoons in a Christmas eve story. The children go to sleep and dream that Santa falls down the chimney and wakes them up, then tells them about the wonderful toyland shop where the toys come to life. (P-I)

One reel, 15 minutes
Rental, \$1.50 (one day)

CIRCULATION (EB)

Animations and photography trace the human circulatory system; compare the human heart with that of a frog; and show the cycle of pulmonary circulation. (I-C)

One reel, 15 minutes
Rental, \$1.50

CIRCULATORY CONTROL (EB)

Illustrates the pressure of blood in the arteries—methods of measuring blood pressure—the structure and work of the veins—and nature's method of vaso-motor control. (J-H)

One reel, 15 minutes
Rental, \$1.50

CLEANLINESS — BATHING (EB)

Birds splash in their tub. Children demonstrate warm baths and cool showers. Scenes show an elephant bathing, a polar bear in its pool, a dog swimming, and, finally, children and adults bathing at a beach. (P-I)

One reel, 7 minutes
Rental, \$1.50

CLEANLINESS — CLEAN CLOTHES (EL)

Swans preen their feathers. A horse is groomed. A boy polishes his shoes, brushes his coat, takes a clean handkerchief, demonstrates proper use of a napkin.

Girls are shown wearing aprons as they help in the home. Closing scenes indicate proper care of clothing when not in use. (P-I)

One reel, 7 minutes
Rental, \$1.50

CLEANLINESS — CLEAN FACE AND HANDS (EB)

A white rat cleans its paws. Scenes show an approved method of washing the hands, and hand-washing at school. A cat cleans her own face, and then her kittens'. A boy prepares himself for supper after outdoor play. A class is inspected for cleanliness. (P-I)

One reel, 7 minutes
Rental, \$1.50

CLEANLINESS — KEEPING THE HAIR CLEAN (EB)

A dog, a beaver, and a goose take care of their coats. The proper methods of shampooing and drying the hair are shown, as well as the care of brush and comb. (P-I)

One reel, 7 minutes
Rental, \$1.50

COFFEE (EB)

Gives the story of coffee grown in South America, which is typical of the industry everywhere. Presents sidelights on Colombia. The film units are (1) Coffee Growing; (2) Hulling and Cleaning; (3) Shipping Coffee; (4) Preparing Coffee for Market. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

COLUMBUS AND THE DISCOVERY OF AMERICA (HOP)

This is a shadow-graf film made by a new system developed by M. C. Morrison, co-author of "Films in the Classroom" and a noted authority on Visual Education. The casts are entirely made up of fourth and fifth grade students. (I)

One reel, 8 minutes
Rental, \$2.00

COMMON SALT (EB)

Deals with the nature and action of salt, and contrasts methods used in extracting, purifying, drying, and bagging surface and rock salt deposits. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

COMPRESSED AIR (EB)

Enumerates the principles underlying the compression of air, and its practical applications to the Bessemer converter, railway air brakes, air driven tools, and the fire engine. (J-C)

One reel, 15 minutes
Rental, \$1.50

CONTINENT OF SOUTH AMERICA (EB)

Shows the position of South America on the globe, the main natural regions of the continent, their relation to each other, and the physical, biological, and social features of each. It locates and describes the Andes, Pacific slope, Brazilian Highlands, La Plata Basin, Guiana Highlands, Orinoco Basin, and Amazon Basin. (J-H)

One reel, 15 minutes
Rental, \$1.50

CONTROL OF WORMS IN HOGS (USDA)

Shows methods of control of various injurious hog parasites — thornheaded worms, nodular worms, stomach worms, roundworms, lungworms and kidney worms. (H-C)

Two reels, 30 minutes
Rental, \$2.00

COPPER MINING IN ARIZONA (USBM)

Reel 1 shows the various methods employed in starting open-pit mining operations at Morenci, Ariz. Scene then shifts to Ajo, Ariz., where a 20-year-old open pit is in its prime — with mining ore and stripping overburden proceeding together. Reel 2 continues at Ajo, and shows processes that lead up to the ore being hauled to the smelter. Scenes at Jerome, Ariz. are shown. Reel closes at Bisbee, Ariz. where underground mining is being done. Reel 3 continues at Bisbee and shows many other operations. (J-H-C)

Three reels, 45 minutes
Handling charge, \$1.00

COPPER REFINING (USBM)

Shows conversion into chemically pure copper of the anode slabs made in the smelter. Operations depicted include sampling of anodes; placing them in electrolytic tanks, carefully spaced with starting-sheet cathodes of pure copper between them; removal of built-up cathodes after 20 days; removal of anode remnants; removal from the tanks and shipment to the gold refinery of slime containing gold, silver, and other impurities, cutting some of cathode into sheets for fabrication; melting of other cathode sheets; and casting melted cathodes into bars, which are inspected and shipped to the fabrication plant to be made into wire and other copper products. (J-H-C)

One reel, 15 minutes
Handling charge, \$1.00

COPPER SMELTING (USBM)

Shows the conversion of copper ore and concentrates into metallic copper. Operations depicted: crushing and sampling of the ore; mixing with concentrates; roasting to remove some of the sulphur; melting in reverberatory furnaces; conversion into blister copper of copper matte; removal of sulphur from the blister

copper; and casting the resulting metallic copper into slabs. (J-H-C)

One reel, 15 minutes
Handling charge, \$1.00

CORN (EB)

Shows methods of planting, cultivating, and harvesting corn — the corn borer and ways of fighting it — husking and shelling — manufacture of corn flakes and corn starch. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

CORTEZ (HOP)

This is a shadow-graph film made by a new system developed by M. C. Morrison, co-author of "Films in the Classroom" and a noted authority on Visual Education. The casts are entirely made up of fourth and fifth grade students. (I)

One reel, 15 minutes
Rental, \$1.50

COTTON: FROM SEED TO CLOTH (NMC)

Shows cotton growing regions of the world. The cotton growing in the Southern states, ginning, transportation to New England, manufacture into cloth and blankets, animations and color photography show for the first time the details of spinning and weaving of cotton textiles and blankets. Produced by Pathe in cooperation with Harvard University. (I-J-H)

Two reels, 30 minutes
Rental, \$1.50

COTTON GOODS (EB)

Covers the picking, ginning, baling, and sale of cotton — the carding, twisting, and drawing of yarn — the production of thread — the weaving and testing of cotton fabrics — and some of the multiple uses of cotton in everyday life. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

COTTON GROWING (EB)

Shows various steps in preparing the ground; stages in the growth of cotton plants; methods of fighting the boll weevil; harvesting, ginning, bagging, and transporting cotton. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

CYCLE OF EROSION (FOC)

This film presents a study of erosion for both small streams and broad regions. It depicts the development of valleys through the stages of youth, maturity and old age. Some carefully selected landscapes are pictured and classified so as to assist students in their own observations. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

DANIEL WEBSTER (DEV)

Scenes depicting the boyhood of Webster and Webster in Congress. The Capitol at Washington, Washington Monument, Statue of Liberty, and the Senate chamber are shown. Produced circa 1920. (P-I)

One reel, 15 minutes
Rental, \$1.50

DEATH VALLEY (GDH)

All the worth-while sights of Death Valley are summed up in this delightful reel—from Bad Water, in the lower end of the Valley, to Ubehebe Crater in the north, Golden Canyon and the parched, wrinkled hills of the vicinity—Furnace Creek Ranch, formerly called Greenland—the old borax mill—the rattlesnake—a “desert rat” and his “desert canaries”—Devil’s Golf Course—and of course, a glimpse of the old 20-mule-team wagons and “Death Valley” Scotty’s million-dollar-castle. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

DECORATIVE METAL WORK (GAF)

Articles made of different metals are shown, and then a detailed filming of each step in this interesting process from the sketching of the design to the final polishing of the completed piece. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

DENMARK (EB)

Depicts agricultural and industrial methods by which Denmark has overcome handicaps of poor soil and lack of raw materials. The home of Hans Christian Andersen—Copenhagen—Elsinore, scene of Shakespeare’s “Hamlet”—and scenes of public-school life. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

DEVELOPMENT OF BIRD EMBRYO (EB)

An elementary treatment, by means of photomicrography and diagram, using the chick for early stages, the wren for the last stage and hatching. Technique of mounting the embryo for observation, establishment of circulation, action of the heart, and development of three membranes—yolk sac, amnion, and allantois. (H-C)

One reel, 15 minutes
Rental, \$1.50

DIGESTION (EB)

Covers the complete digestive tract—action of saliva upon food—swallowing—stomach structure—digestion of food—structure and action of both intestines. (I-C)

One reel, 15 minutes
Rental, \$1.50

DIPHTHERIA (EB)

A diphtheritic throat is compared with a normal one—the complete preparation and use of antitoxin are demonstrated—methods of modern diphtheria control and of preventing the disease by the administration of toxin-antitoxin are shown. (I-C)

One reel, 15 minutes
Rental, \$1.50

DO YOU WALK SAFELY? (EB)

A film for primary grades about pedestrian safety. It is designed for use by individual classes rather than assembly groups. John, the main character of the film, encounters many situations while walking home from school. After each problem, the question is asked, “What would you do?” The second half of the film, which shows what John did, emphasizes the correct procedures. (P)

One reel, 14 minutes
Rental, \$1.50

DRINKING HEALTH (FOC)

Shows how nature provides for quenching our thirst, the great government enterprises established to supply us with pure drinking water and the needs and uses of drinking water by the body. Dangers of contamination from unclean drinking vessels are shown with suggestions of medical authority as to how to avoid them. Vividly illustrated by action scenes and microscopic photography. Produced by Pathe in cooperation with Harvard University. (I-J-H)

Two reels, 30 minutes
Handling charge, \$1.50

DUTCH EAST INDIES (EB)

Shows characteristic features of native life in the tropics; city markets, craftsmen, native actors, and home life in Java; working sugar cane, collecting cinchona bark, preparing kapok; collecting and preparing rubber in Sumatra; native life in Borneo; handling spices and rattan in the Celebes. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

DUTCH TULIP GIRL (FOC)

Tom, a little American boy, falls asleep and dreams that he is wandering through Holland with Katrina, a little Dutch girl who wears the lace cap, full skirt, and the wooden shoes of her native village of Vollen-dam. Katrina shows Tom the Hague, the art of tree clipping in Aalsmeer, the town of Leiden, the Isle of Marken and the famous tulip and cheese industries of the Netherlands. She shows him how Dutch children live and play, what their schools are like and explains why dikes have to be built in Holland. (P-I)

One reel, 15 minutes
Rental, \$1.50

EARTHQUAKES (FOC)

A study of the nature, causes, and effects of earthquakes, with special reference to the methods of recording and interpreting seismic phenomena. Extensive use is made of animated drawings to explain the origin and differentiate between volcanic and tectonic earthquakes. Seismographs are shown in operation and their mechanism is carefully explained. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

EAST INDIAN ISLAND (EB)

Locates the Island of Bali and shows Balinese mountains, rice culture, native housebuilding, pottery, weaving, trading—natives hulling coconuts, working on festival decorations, preparing a feast—marriage and funeral ceremonies. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

EDUCATED FEET (BFS)

Illustrates proper and graceful habits of sitting, standing, walking, and playing; to improve and correct postural defects in elementary school children and to make them posture-conscious; and to stimulate the interest of teachers and parents in organizing and carrying out a sane and well-balanced physical education program in the schools. (I-J-H-C)

One reel, 15 minutes
Rental, \$1.50

EGYPT (FOC)

Shows the ancient methods of agriculture and the primitive forms of civilization in Egypt. A trip from Cairo to Luxor reveals the life on the Nile river. One sees the markets, tailor shops, and itinerant barbers. (J-H)

One reel, 15 minutes
Rental, \$1.50

ELECTRIC POWER IN THE SOUTHERN APPALACHIANS (EB)

Living and working conditions are contrasted before and after the development of hydroelectric power for use in this area. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

ELEMENTARY BOOKBINDING (GAF)

A number of books with attractive bindings are seen first. Paper, vellum buckram, linen and leather samples are shown. Paper for the cover of the book we now see made is decorated by finger painting. A detailed process filming follows. End sheets are pasted and book is inserted in its covers. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

ELEMENTARY MANUAL TRAINING (BF)

A gift box is displayed, and then a table is seen covered with various samples of this sort of work. The working plan indicates lumber or stock required. An instructor supervises a youngster making a gift box. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

ENERGY FROM SUNLIGHT (EB)

Explains the principle of a solar engine; pictures the energy of falling water, sunlight, and wind power; shows how energy from sunlight stimulates plant growth, and is stored for future use in the form of wood and coal. (I-C)

One reel, 15 minutes
Rental, \$1.50

EVERYBODY'S BUSINESS (CHC)

This picture presents a plea for more careful driving of cars. It shows how some accidents happen. A telling illustration is made of contrasting two cars driven across a city, one obeying the traffic regulations and the other disregarding all rules. (J-H-C)

One reel, 15 minutes
Handling charge, \$1.50

EVOLUTION OF OIL (USBM)

Covers the fascinating evolution of the petroleum industry from biblical times to the present. The fine photography of the historical periods represented enables students to visualize more accurately the far-reaching importance of oil along commercial and industrial lines. Many pictures of the development of transportation, a vital factor in oil progress, add to the colorfulness of this film. (I-C)

Four reels, 60 minutes
Handling charge, \$1.00

EYES, THE (Advanced) (EB)

In this film animation and photography show, in detail, the anatomy of the eye—dissection of an animal's eye; microscopic structure of the retina—physiology of the eye; correct use of lenses to overcome defects in focusing—hygiene of the eye. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

FALLING WATERS OF YOSEMITE (GDH)

Nowhere else on earth can such a glorious array of waterfalls, such as The Waterfalls, Vernal, Nevada, Yosemite, Ribbon, Cascade and Illilouette, be found in such a concentrated area. Each of the falls mentioned above is shown in this film. (P-C)

One reel, 15 minutes
Rental, \$1.50

FARM, THE (EB)

A group of school children visit a farm, where they see the farmer's home, his barns, cows, ducks, chickens, pigs, sheep, and horses. The children romp in the orchard, feed the horses, play with the lambs, and revel in the strawberry patch. The farmer is shown as he harvests green corn. Apples are gathered in the orchard, and many other farm products are shown in the process of harvesting. In final scenes the cows are milked, the milk is poured into cans for shipment to the creamery, and the cows are seen returning to the pasture. (P-I)

One reel, 15 minutes
Rental, \$1.50

FEET (EB)

Shows details of structure and arrangement of arches; the best mechanical use of the foot; the points of a good shoe, and harmful effect of improper shoes; good feet as an asset. (I-C)

One reel, 15 minutes
Rental, \$1.50

FELLING FOREST GIANTS (FOC)

This picture gives a detailed story of the lumber industry in the mountains of North Carolina and in the great forests of the Northwest. Logs are taken from the forests to the mill by mule and oxen teams by skidway and by floating them down stream. Scenes in temporary and permanent lumber mills complete this very interesting subject. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

FIELD FORCES AS IMPEDIMENTS TO PERFORMANCE (UIO)

This is one of a series of four reels on child behavior. For description see Changes in Group Atmosphere. (C)

One reel, 15 minutes
Rental, \$2.00

FINLAND (EB)

Presents general views of Helsingfors, the capital; the lumber, pulp, and paper industries; water power, country life, and agricultural routine; the dairy industry; canals; salmon fishing; winter sports; views of the icebreakers which keep the harbors open. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

FIRE MAKING (EB)

Demonstrates the dependence of fire upon fuel and oxygen, shows pure oxygen supporting rapid combustion, indicates the kindling points of various substances, gives the history of matches, and depicts the making of modern matches. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

FIRE PREVENTION (EB)

Shows the construction of an approved fire-resisting building — correct electrical insulation — possibility of fire through faulty insulation — the proper way to safeguard inflammable materials. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

FIRE PROTECTION (EB)

Contrasts old and modern equipment and methods of fighting fires. Explains the operation of extinguishers, the principle of cooling, blanketing or smothering fires, and a lesson in fire safety. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

FIRE SAFETY (EB)

Emphasizes the immense annual losses from fire — treats ways of preventing fires — shows what to do in case of fire — pictures the teaching of fire-prevention methods to school children. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

FIRST AID — CARE OF MINOR WOUNDS (EB)

Stresses the importance of immediate care for even the slightest wound. Demonstrates in detail the proper method of applying sterile dressings. (I-J-H)

One reel, 4 minutes
Rental, \$1.00

FIRST AID — CARRYING THE INJURED (EB)

Demonstrates the making and using of stretchers in emergencies, and the methods of carrying injured persons without stretchers. (I-J-H)

One reel, 4 minutes
Rental, \$1.00

FIRST AID — CONTROL OF BLEEDING (EB)

The film shows, with actual photography, and animated diagrams, accepted methods of control of arterial and venous hemorrhages. (I-J-H)

One reel, 11 minutes
Rental, \$1.00

FIRST AID — LIFE SAVING AND RESUSCITATION (EB)

Demonstrations in water and (in slow motion photography) out of water, of various approaches and holds used in rescuing the endangered swimmer. Methods of resuscitation include use of the inhalator. (I-J-H)

One reel, 15 minutes
Rental, \$1.00

FIRST AMERICANS (INDIANS) (FOC)

Indians in different parts of the country vary in appearance, dress and customs. Blackfeet Indians of the Northwest are nomads, roaming from place to place carrying their homes and household goods. The women do all the work. The Pueblo Indians of the Southwest build homes of sun-baked clay. They wear much clothing for protection against the sun. The Pueblos are a peaceful and industrious farming people. Views are given of outdoor ovens and Indian cooking. Cliff Dwellers, the ancestors of Pueblos, left evidence of a civilization centuries before the advent of the white man. Oldest known structure in North America, the ruins of a community house called "Tynonyi," is shown in the closing scenes. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

FLAX TO LINEN (EB)

Traces flax from the plant and seed stage through the threshing, "retting," "scutching," and "hackling" processes to line flax — shows the spinning of line flax and the weaving and bleaching of linen cloth. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

FLUFFY, THE KITTEN (FOF)

An excellent film for use in kindergarten through the third grade in general elementary studies, including reading and animal life. Accurate information concerning kittens and their care is provided in the film, and the vocabulary is correctly graded. (P)

One reel, 14 minutes
Rental, \$1.50

FOOD AND GROWTH (EB)

A feeding experiment with white rats, actually carried on in a classroom, demonstrates the food value of milk as compared with coffee and candy. The system of feeding, cleaning of cages, and charting of growth records are given in detail. Eastman film. (P-I-J)

One reel, 15 minutes
Rental, \$1.50

FOOD SERIES — VITAMIN B₁ (EB)

Deals with the natural sources of vitamin B₁, the antineuritic vitamin, and shows the effect of the deficiency of this vitamin on pigeons and young rats. The effect of extreme vitamin B₁ deficiency on human beings is beriberi. The effect of a balanced diet on the disease and the need for a balanced diet to maintain healthy bodies are shown. (J-H-C)

One reel, 15 minutes
Rental, \$1.00

FOOD SERIES — VITAMIN D (EB)

Shows the natural and artificial sources of vitamin D — the antirachitic vitamin. The results of vitamin D deficiency — rickets and poor teeth — are here presented. A series of feeding experiments with laboratory animals shows effects of the lack of this vitamin and corrective results obtained by the feeding of cod-liver oil. The various methods used to increase vitamin D in the body — the use of concentrates, exposure to sunlight or sunlamps, well-balanced diet, improved living conditions. (J-H-C)

One reel, 15 minutes
Rental, \$1.00

FOODS — A DRINK OF WATER (EB)

A horse, a dog, cows, ducks, and a moose drinking. Children at school and play drink from "bubblers" and paper cups, and learn to drink water before breakfast. Animated diagram indicates when glasses of water should appear in the day's schedule. (P-I)

One reel, 8 minutes
Rental, \$1.00

FOODS — BREAD AND CEREALS (EB)

Chickens eat bread and milk, also grain. A horse munches oats, and cows enjoy their feed. The making of cereal from grain is indicated. Cooked cereal is enjoyed by a boy, and a girl eats dry cereal for supper. Both eat slowly and chew the food well. (P-I)

One reel, 7 minutes
Rental, \$1.00

FOODS — FRUITS AND VEGETABLES (EB)

Scenes show that vegetables and fruits are relished by different animals: rabbits, a hen, birds, and a saddle horse. A boy eats green vegetables at dinner, and three girls have fruit as part of their school lunch. In closing scenes a number of fruits and vegetables appear in succession. (P-I)

One reel, 8 minutes
Rental, \$1.00

FOOTBALL FUNDAMENTALS (EB)

Scenes filmed under actual training conditions, to show fundamental techniques and drills; methods of executing fundamentals; prevention of injuries; modern coaching practice; analyses of body movement in slow motion, followed by the same action at normal speed; application of techniques to typical situations in scrimmage; scenes from actual games. Reel I, Drills for Individuals and Small Groups. Reel II, Group and Team Drill. (J-H-C)

Two reels, 30 minutes
Rental, \$2.50

FOOTBALL — 1938 (ICS)

A movie review of the highlights of many of the big college games during the fall of 1938. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

FOOTBALL THRILLS OF 1939 (ICS)

Contains a panorama of the season's greatest thrills, showing headline plays from such games as Carnegie Tech-Pittsburgh; Northwestern-Oklahoma; Harvard-Princeton; Cornell-Ohio State; Notre Dame-Navy and others. (General)

One reel, 15 minutes
Rental, \$1.50

FOOTBALL THRILLS OF 1940 (ICS)

Those who have relived yelling pandemonium after a 60-yard run to a touchdown . . . those who have thrilled to sensational passes and trick plays through previous football releases know what this movie has in store for them. As in other years, only the crucial meetings of great elevens and only the stellar plays of these games are selected for review. (General)

One reel, 15 minutes
Rental, \$1.50

FOOTBALL THRILLS OF 1941 (ICS)

Highlights of the 1941 season: Fordham-Southern Methodist; Duquesne-St. Marys; Yale-Princeton; Minnesota - Northwestern; Columbia - Princeton; Duke-Georgia Tech; Notre Dame - Navy; Harvard - Yale; Army-Navy. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

FOREST PEOPLE OF CENTRAL AFRICA (FOC)

An intimate study of the African pygmies, who have so seldom been photographed; their crude brush villages, and their skill at bringing down game with poisoned arrows is shown. Negro women demonstrate their routine of daily domestic life, including the making of pottery. The men manufacture objects of iron by means of the crudest processes. The typically Negro dance at the end shows a striking parallelism to modern American steps. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

FORMATION OF SOIL (EB)

Introduces the student to the rock-soil cycle by means of demonstrations, animations, and actual photography. The story of the disintegration of rock includes the work of the weather, stream erosion and transportation, glaciers, wind and waves, rain and air, plants and animals. (J-H-C)

One reel, 12 minutes
Rental, \$1.50

FOUR-STROKE CYCLE GAS ENGINE (EB)

Demonstrates the four-stroke cycle in a single-cylinder "T"-head type of motor—the firing of a cannon compared with the gas-engine cycle—the fuel system of an engine—ignition systems of single- and multi-cylinder engines—water and air cooling. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

FROGS, TOADS, AND SALAMANDERS (EB)

Development of typical amphibians through the stages of eggs, aquatic larvae, and final metamorphosis to the adult forms. Structure and adaptations of the tree frog, the green frog, the common toad. Tailed forms of amphibians—the newt, the mud puppy, and the hellbender. (H-C)

One reel, 15 minutes
Rental, \$1.50

FROM FLOWER TO FRUIT (EB)

Shows how all parts of a flower help in producing seeds. The flowers of roses, lilies and apples mature, anthers produce pollen, insects assist in pollination, pollen tubes grow, fertilization is completed, and the fruit develops. Time-lapse motion photomicrography and animated diagrams are freely used. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

FUNDAMENTALS OF BASKETBALL (EB)

Prepared in cooperation with, and directed by, Dr. Forrest C. Allen, University of Kansas Basketball Coach. Introductory scenes illustrate the origin of the game and the essential points in "warming-up." The body of the film covers the following points: individual offense, individual defense, team offense, team defense. (J-H-C)

Two reels, 30 minutes
Rental, \$2.50

FURNITURE MAKING (EB)

Contrasts the important period styles of the past with styles of today—shows master craftsmen at work—and outlines modern methods in machine production of furniture. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

GAME BIRDS (EB)

This study includes birds of both waterways and drier localities—mallard, pintail, and teal ducks, wild ducks, wild geese, coots ("mudhens"), Franklin grouse, ruffed grouse, California quail, bobwhite quail, pheasants, and wild turkeys—all in the wild state, except the pheasants. (J-H-C)

One reel, 10 minutes
Rental, \$1.50

GERMANY — BERLIN (EB)

Scenes included in this film are the principal streets of the German capital as it existed prior to the war: its transportation system, modern buildings contrasted with earlier baroque architecture, the Brandenburg Gate, zoological gardens, Victory Column, Reichstag, Museums, war memorial, University of Berlin, schools, physical education, modern housing, and the Berlin airport. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

GERMANY — INDUSTRY (EB)

This picture deals with various phases of industrial life in prewar Germany — shipbuilding; importance of German shipping; the part played by canal transportation; Zeppelin construction; use of gliders in developing heavier-than-air craft; light industry — the manufacture of accordions; industrial expositions, and the State Labor Service for young men. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

GERMANY INVADES AUSTRIA (ICS)

As the title indicates, this is a record of the incidents leading to and accompanying Germany's invasion of Austria. This film requires evaluation for school use to avoid possibility of seeming Nazi propaganda. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

GERMANY, RURAL LIFE (EB)

This is another film of the series made in Germany just prior to September, 1939. Scenes of this film show the primitive methods of farming used in much of rural Germany as well as new large scale farming. The film shows sequence activities connected with tobacco and vineyard farming. Some scenes show young German girls working in the State Labor Service. Also to be seen are village markets, some handicrafts and views of the home life of a typical Bavarian family. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

GLACIERS (FOC)

Presents a study of some existing glaciers. It gives the classification, modes of origin, motion, and characteristics of glaciers. The effects of glaciers on the land surface are shown and considered both from the standpoint of erosion and deposition. Illustrations are given of the different land forms produced. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

GLASS BLOWING TECHNIQUE (EB)

Gives correct procedure and manipulations for elementary glass blowing with Pyrex glass, the technique

employed in joining tubes of unequal diameters, and the method of forming bulbs. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

GLENN CUNNINGHAM (UK)

When Glenn was only eight years old, he was horribly burned by kerosene. It was feared he would never walk again. Since his legs were so scarred, the circulation was bad, and Glenn's doctor advised him to run to bring back the circulation. This film is about that badly burned boy and some of his track exploits. Most of the film is concerned with Glenn's running form, how he warms up for a race, and how he practices. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

GLIMPSES OF THE 1936 OLYMPICS (ICS)

Views of the opening ceremonies to the summer sports and many of the finals of swimming and track events. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

GOLD (EB)

Compares dredging, hydraulic mining, and "quartz" or shaft mining methods. Gold-bearing quartz is crushed, concentrated, and smelted. The uses of gold in dental crowns, jewelry, and gold leaf. Minting of gold: rolling, cutting into coin blanks, stamping, weighing. (I-C)

One reel, 15 minutes
Rental, \$1.50

GOLDEN GATE (EB)

Airplane and ground views reveal the strategic location, prosperity, and scenic beauty of San Francisco and the Bay. (I-C)

One reel, 15 minutes
Rental, \$1.50

GREEN PLANT, THE (EB)

Stresses the fact that living things are dependent for food upon the green plant. The latter's processes of food-making and growing are accurately diagrammed. (J-H)

One reel, 15 minutes
Rental, \$1.50

GUATEMALA (AFD)

In this film we see the natives who are of mixed Malay and Spanish descent. Other scenes show the modern city built to replace the old one destroyed by earthquake in 1773. Also pictured is the sacred festival in honor of Metzel, the Sun-God, then, by way of contrast, a modern country fair. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

GUILD CITIES OF BELGIUM (FOC)

Shows the cities of Belgium important during the Middle Ages. Their ancient buildings are shown in all their beauty. This is an important film for classes studying this part of European history or geography. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

HANSEL AND GRETEL (ICS)

Ordinary filming of this old story. (P-I)

One reel, 15 minutes
Rental, \$1.50

HAPPY HEN AND HER CHICKS (PP)

A primary grade film of a little girl and some of her experiences with a mother hen and a brood of chicks. Some scenes show the eggs being pecked open and the little chicks tumbling out. Later sequences show the hen conducting her brood about the yard. (P-I)

One reel, 15 minutes
Rental, \$1.50

HAWAIIAN ISLANDS (EB)

Pictures Honolulu and its surroundings — the pineapple industry — native life — the sugar industry — and the seething, molten lava of Kilauea. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

HEAT AND LIGHT FROM ELECTRICITY (EB)

Clearly explains series and parallel circuits — Ohm's Law — manufacture and use of conductors, insulators, and lamps — arc furnaces and heating equipment. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

HENRY WADSWORTH LONGFELLOW (ICS)

This film gives a sketch of Longfellow's life and excerpts from his poems. As a part of the film, there is the visualization of "The Village Blacksmith." Produced circa 1920. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

HERE COMES THE CIRCUS (EFS)

Shows activities connected with the setting up of a big circus. Scenes include the wagons coming on the lot; the raising of the big top; driving the stakes; the coming of the elephants; camels and zebras; the blacksmith shop; and the parade into the big top for the afternoon performance. No titles are used so as to permit better pupil and teacher activity. (P-I)

One reel, 14 minutes
Rental, \$1.50

HISTORIC SCENES ALONG THE MT. VERNON MEMORIAL HIGHWAY (USDA)

In this film we see the Lincoln Memorial and Arlington House, Washington's home, Carlyle House, Ramsay House, Masonic lodge and William's portrait of Washington. Subsequent scenes show the Grave of the Unknown Soldier, home of Robert E. Lee, the George Washington National Masonic Memorial, Mt. Vernon and grounds, and the tomb of George Washington. (General)

One reel, 15 minutes
Rental, \$1.50

HISTORICAL INTRODUCTION TO THE STUDY OF CHEMISTRY (EB)

The primitive savage's manipulation of metals; the alchemist; experiments of Priestly and Lavoisier; discovery of oxygen and explanation of burning. A scientifically accurate presentation of the birth of modern chemistry. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

HITS, RUNS, 'N ERRORS (ICS)

Scenes from the Fordham practice field of baseball. The film gives some slants on training and inside baseball. (I-C)

One reel, 15 minutes
Rental, \$1.50

HONEYMAKERS (FOC)

Shows an apiary, different types of honeycombs, and bees making honey. The different kinds of bees are pictured such as the queen, workers, and drones. The film follows the metamorphosis of the honey bee. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

HORSES AND BOTS (USDA)

This U.S.D.A. film shows the three types of botflies, how they attack and render horses and mules useless for work, methods of treatment and how eradication campaigns are carried out. (J-H-C)

Two reels, 30 minutes
Rental, \$1.50

HOT-AIR HEATING (EB)

Scenes, supplemented by animations, trace the development of heating methods from fireplace and stove to a modern hot-air system in a large building. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

HOUSEFLY, THE (EB)

A life history, depicting larva, pupa, and adult. The structure of the housefly, which helps to make it a health menace, is shown in motion photomicrographs. The dangerous habits, rapidity of breeding, and

methods of control of this common insect are convincingly shown. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

HOW BIRDS FEED THEIR YOUNG (EB)

Photographed by Dr. Arthur A. Allen, Professor of Ornithology, Cornell University. Shows the indigo bunting, towhee, thrush, bluebird, cedar waxwing, goldfinch, hummingbird, heron, snakebird, least bittern, quail, and grouse — each with its own distinctive feeding methods, vividly shown. (Color) (P-C)

One reel, 9 minutes
Rental, \$1.50

HOW LIVING THINGS FIND A HOME ON EARTH (DEV)

Starting with dinosaurs, shows how various animals adapt themselves to surroundings and protect themselves from enemies. Shows examples of feet of snowshoe rabbit, protective coloration, protective resemblance, hermit crab using shell of another animal for protection, and other examples of animals adapting themselves to surroundings. (H-C-A)

One reel, 15 minutes
Rental, \$1.50

HOW TEETH GROW (EB)

In this film the order of formation and eruption of the temporary and permanent teeth is demonstrated by animation, artificial models, and subjects of various ages. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

HOW THE FIRES OF THE BODY ARE FED (FOC)

This is a study of the mechanical processes that take place in the human body during digestion. A striking comparison between the stoking of a ship and the feeding of the human body is drawn. X-ray photographs of the stomach in action are shown. (I-C)

One reel, 15 minutes
Rental, \$1.50

HOW TO GET RID OF RATS (USDI)

Opening scenes show various methods of rat control. Some unusual views of wild rats in action are shown. (J-H-C)

One reel, 15 minutes
Handling charge, \$1.50

HOW TO PICK TOMATOES (PU)

Lists and illustrates correct procedures for tomato pickers. Several rules are illustrated, among them — using a bail on the hamper, picking as many tomatoes as possible in each hand, using both hands, and keep-

ing the hamper in front of you as you pick two rows across the field, picking two hills in each row for each hamper move. (C-A)

One reel, 15 minutes
Rental, \$1.50

HOW WE HEAR (KB)

A complete and comprehensive explanation of the entire ear structure and its mechanism, showing how sound waves are received by the inner ear, where they are converted into nerve impulses. Photography and animated drawings are combined to make this presentation complete and effective. (H-C)

One reel, 15 minutes
Rental, \$1.50

HOW WE SEE (KB)

Presents for the first time the latest facts regarding accommodation, or focal adjustment, preceded by introductory anatomical matter and illustrated by means of animated drawings. (I-J-H-C)

One reel, 15 minutes
Rental, \$1.50

HUNGARY (EB)

Pictures large estates, primitive and modern agricultural methods, animal husbandry, village life, embroidery and a wedding festival. Shows primitive transportation — the mining, fishing, sugar-beet, and steel industries — Budapest — educational opportunities — medieval architecture. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

HYDERABAD, INDIA (EB)

Hyderabad city — street traffic and railway station scenes. Minting of state coins and printing postage stamps. Agriculture — cultivation of rice and sugar cane; threshing pulse. Cottage industries — rug weaving; weaving metallic fabrics; fine embroidery; silver filigree and inlay work. Education — a mosque school; activities in secondary schools and Osmania University. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

ILLINOIS MARCHES ON (UI)

This film shows the new facilities which have been added in the past ten years to meet the University of Illinois' expanding prewar needs. These new buildings and equipment enabled the university to meet the Nation's war training program better. (General)

One reel (1200 feet), 44 minutes
Rental, \$1.00

ILLUMINATION (EB)

Records the principal methods of lighting; the principle and use of photometer and foot-candle meter;

the cause and correction of glare in home and factory; and the character of direct, indirect, and combined systems of lighting. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

IMPRISONED FRESHNESS (PC)

The story of Birdseye Frosted Foods. Illustrates how the principle of quick-freezing at subzero temperatures, in contrast to ordinary freezing, preserves intact the food cell and its natural juices and flavors. Shows seafoods, meats, poultry, vegetables and fruits being gathered at sources of greatest abundance and finest quality, stripped of all waste, packaged, quick frozen, and distributed under low temperature conditions to hotels, railways, steamships, airliners, and the home. An educational story of an important development in food conservation that is changing the menus of the world. (General interest)

Two reels, 30 minutes
Handling charge, \$1.00

IN OLD HESSEN (GTI)

Some of the life and customs of the Hessen district in Germany. Shows Market Place, harvest and dance after harvest, church, and girls weaving linen for wedding chests. Costumes of the district are shown. (C-A)

Two reels, 30 minutes
Rental, \$1.50

INDUCED CURRENTS (EB)

The principle of electromagnetic induction applied to commercial generators; the conversion of alternating current into direct current; the action of the commutator, transformer, and telephone. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

INTERDEPENDENCE (HU)

This is a presentation of the dependence of individuals and communities upon one another. Interesting action scenes show the specialized jobs of the town and city which increase dependence as well as benefits. There are scenes of dairy farms, stockyards, wheat fields, bakeries, forests, lumber camps, coal mines, and the vast network of railroads that bind together the entire country. Finally by means of scenes taken in foreign countries the picture ends with the conclusion that all nations are interdependent. (J-C)

Two reels, 22 minutes
Rental, \$2.00

IRON ORE TO PIG IRON (EB)

Outlines the mining of ore in the Mesabi range; its transportation to Duluth and through the "Soo" canal to Gary, Indiana, where it is smelted and cast into pigs. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

IRRIGATION (EB)

Pictures the effect of irrigation on arid lands; the Roosevelt Project; the Imperial Valley Project; irrigation in the region of San Diego. (I-C)

One reel, 15 minutes
Rental, \$1.50

JAPAN I (EB)

Nippon's Cities, prewar, their shops, newspapers, and elementary schools; sports, including wrestling and archery; Japanese home life, manners, and customs. Up-to-date information on prewar Japan recorded by one of the best camera artists. For films in this series, see Japan II, Manchukuo, Russia, Siberia, and Turkey. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

JAPAN II (EB)

The manufacture of silk, pottery, and automobiles; agricultural methods and products — rice, millet, potatoes, lotus plants; Buddhist religious ceremonies; the native theater, dancers, puppets; and the motion picture industry. (See above.) (J-H-C)

One reel, 15 minutes
Rental, \$1.50

JOHN DOE, CITIZEN (KB)

Dramatizes a situation which demonstrates the apathy with which most citizens view civic matters of interest to their community. (H-C)

One reel, 15 minutes
Rental, \$1.50

JOHN GREENLEAF WHITTIER (ICS)

Pictured in this film is a brief sketch of the poet's life and scenes from the "Barefoot Boy" and "Maud Muller." Produced circa 1920. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

KEEPING FIT (UI)

Shows a typical day of fitness tests and body measurements of 4-H Club boys and girls to determine what their fitness levels are. Tests given are similar to army fitness tests, and the results are compared with data on height, weight, and body dimensions. Tables indicate what level a boy or girl of certain standards conforms to, and also show correct size for children of different ages and proportions. (Color) (I-J-H)

One reel (800 feet), 30 minutes
Rental, \$1.50

KNOW YOUR BIRDS (HNP)

Is designed for the nature lovers and the ornithologist as an aid in the identification of members of the thrush family and of the titmouse family. Under the former group, the robin, bluebird, and the wood thrush

are shown; under the latter, the titmouse, chickadee, and the nuthatch. (Color) (J-H-C)

One reel, 16 minutes
Rental, \$2.50

KNOW YOUR TYPEWRITER — PART I (H)

Presents very vividly the importance of the typewriter in modern life, the many ways in which it can be used creatively, and the technique of operating it efficiently. Each part of the typewriter is shown and the correct means of operation is pictured. (J-H)

One reel, 15 minutes
Rental, \$1.50

KNOW YOUR TYPEWRITER — PART II (H)

Pictures children in the elementary grades learning to manipulate the important modern tool, the typewriter, and contains very interesting scenes showing the skill with which fifth graders carry on typing. (J-H)

One reel, 15 minutes
Rental, \$1.50

KNOW YOUR TYPEWRITER — PART III (H)

Shows clearly the time-saving elements in typing, and the need for learning to use the typewriter properly regardless of the ultimate end to be achieved. The importance of mastering typewriting to facilitate written expression whether it be a housewife, a minister, a reporter, or a stenographer, is shown (J-H)

One reel, 15 minutes
Rental, \$1.50

LEAD (EB)

The way in which the ore is mined and smelted — some of the multiple uses of the metal in industry — the process of making white lead by the famous Dutch Boy method. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

LEATHER (EB)

Gives typical and unusual sources of leather — tanning methods — the making of shoes by hand contrasted with their manufacture by modern machinery. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

LEATHER WORK (GAF)

Demonstrates the making of a coin and key purse. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

LEAVES (EB)

The film first suggests the significance of leaves to all life forms. Then animated drawings are employed to show the relationship of plant leaves to the other parts of a plant. There is a rapid survey of several common types of leaves and of the essential parts of the typical leaf. Throughout the film, microscopic views

reveal cross sections of leaves, thereby showing the arrangement of the leaf parts and the processes of the leaf. (I-C)

One reel, 11 minutes
Rental, \$2.00

LENSES (EB)

Emphasizes those phases of lens refraction admirably shown by animation: action of a converging lens, real and virtual images, changes of magnification; effect of a diverging lens and formation of the virtual image; construction and explanation of achromatic lenses. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

LET'S SEE YOSEMITE (YRC)

The film takes the viewer on a trip through Yosemite National Park. Among the scenic places shown are the El Capitan Mountains, Bridal Veil Falls, Royal Arches, Wawona, the world's most famous tree, and the Half Dome. (I-C)

One reel, 15 minutes
Handling charge, \$1.50

LET'S STUDY GLACIER NATIONAL PARK (DL)

Travelogue and animation on some of the geological features of Glacier National Park. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

LIFE CYCLE OF THE DIPHYLLOBATHRIUM LATUM (UM)

The broad tapeworm of man is a parasite of the small intestines. This parasite is common in the Great Lakes Region and infection is obtained by eating raw or underdone fish. A pernicious anemia sometimes develops. The development of the ova including the hatching of the egg, free swimming larva, ingestion and development in the copepod is shown. The infection of the fish host is shown followed by the adult stage in dogs. (J-C)

One reel, 11 minutes
Rental, \$1.50

LIFE CYCLE OF TRICHINELLA SPIRALIS (SSI)

Shows the life history of Trichinella spiralis. Many deaths occur annually in the United States due to this parasite, and over 10% of the population have mild doses. Since no government inspection for this parasite is possible, reliance is placed on propaganda to cook pork well. (J-C)

One reel, 11 minutes
Rental, \$2.00

LIFE HISTORY OF THE YELLOW FEVER MOSQUITO (E)

Includes splendid photomicrographic views of mosquito eggs floating in water — hatching, feeding, swimming, breathing of the larva — metamorphosis from

larva to pupa, and from pupa to adult—and adult mosquito biting and feeding. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

LIFE IN THE SAHARA (EB)

Illustrates nomadic life on the desert with scenes of camp life, a journey by caravan to the oasis market place, busy bazaars, lively bartering, a Mohammedan mosque, the return of caravans loaded with supplies. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

LIMESTONE AND MARBLE

Demonstrates the relationship between limestone, chalk, and marble—quarrying, carving, and using natural limestone—manufacturing artificial limestone (cement)—quarrying of marble. (I-C)

One reel, 15 minutes
Rental, \$1.50

LITTLE BROTHER AND SISTER (DEV)

Deals specifically with the care of infants. How to bathe and handle infants. Effect of lack of sunshine on the infant's health. The importance of health examinations. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

LITTLE INDIAN WEAVER, THE (FOC)

Bah lives on a Navajo Indian reservation in California and learns from her mother the art of weaving. Bah wants the doll of a white child, but her mother tells her she should weave a blanket to exchange for the doll at the Trading Post. Although the Trader refuses to take the blanket, the Trader's son buys the doll for Bah with his savings. After this act of kindness, the Navajos accept the white boy as their friend and teach him many interesting customs. (P-I)

One reel, 15 minutes
Rental, \$1.50

LIVING CELL, THE (EB)

Pictures the division and growth of single-celled organisms: yeast, amoeba, paramecium—many celled organisms: hydra and flatworm—tissue cells. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

LIVING THINGS FIND A HOME ON THE EARTH (DEV)

A film useful in nature study. Prehistoric animals, penguins, ostriches, snowshoe hare, hermit crab, frogs, toads, and butterflies are shown. (P-I)

One reel, 15 minutes
Rental, \$1.50

LONDON (EB)

Illustrates the significance of the city's location, and the network of communication connecting the world-wide British Empire. It pictures London as it lives, showing the routine of the business day in markets, shops, and financial districts, as well as the principal historic landmarks, parks, military routine at Whitehall, and views of the city at night. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

LONDON (WORLD PARADE) (ICS)

Shows Thames, Westminster, the Abbey and other historic buildings and sections; also Change of the Guard. These are views of prebombed London. (H-C-A)

One reel, 15 minutes
Rental, \$1.50

LOOM WEAVING (UW)

A girl student of the Universal School of Handicrafts threads a small loom and, following a weaving draft, goes through the process of weaving a pattern. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

LUCITE CARVING (WG)

A new medium offering exciting possibilities. Featuring Domenico Di Mortellito, foremost Lucite artist. (J-H-C)

One reel (550 feet), 20 minutes
Rental, \$1.50

LUTHER BURBANK (EB)

A part of the life of the "plant wizard" is depicted by scenes showing cactus development, lily pollination, the development of long staple cotton, walnuts with paper-thin shells, and improved varieties of wheat and oats. (I-C)

Three-fourths reel, 12 minutes
Rental, \$1.50

MACHINE PLACEMENT OF FERTILIZER (API)

Demonstrates methods of fertilizer application in lettuce beds, sugar beet fields, and orchards. Types of equipment are also shown. The film is in color. (H-C)

One reel, 15 minutes
Postage, 25 cents

MAGNETIC EFFECTS OF ELECTRICITY (EB)

Includes magnetism and magnetic induction with their applications to the electromagnet, the electric bell, the ammeter, the voltmeter, and the motor; the theory of permanent magnetism; an explanation of terrestrial magnetism. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

MAKING A BOOK (EB)

Depicts the manufacture of paper, editing of manuscripts, hand and machine composition, electrotyping of the text, and the making of halftone illustrations. Sheets of paper are printed, folded, cut, assembled, sewed into book form, trimmed, and bound. (I-C)

One reel, 15 minutes
Rental, \$1.50

MAKING A MONOTYPE (WG)

The making of a full-color print from one plate, demonstrated by Will Barnett, prominent graphic artist. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

MAKING A V-TYPE ENGINE (USBM)

An industrial film depicting the steps in the construction of a V-type engine. Included are the blast and open-hearth furnace processes, the "rough machining," "point boring," and "honing" of motor heads. Molten steel for crankshafts is poured at 2700° F. The grinding and polishing of the camshafts, pistons, rings, and connecting rods show the importance of accuracy in measurement. After the assembling of the engine, the film demonstrates the dynamometer and power tests before the automobile is ready for the road. (J-C)

Two reels, 30 minutes
Handling charge, \$1.00

MAKING AN AIRPLANE FITTING (WG)

Illustrates the manner by which a damaged gusset plate is replaced by demonstrating the various processes and by showing carefully labeled pictures of the different instruments. (H-C)

Two reels, 20 minutes
Rental, \$2.50

MAKING AN ETCHING (WG)

Shows Professor Charles J. Martin demonstrating the processes involved in making an etching. The edges of the varnished plate are beveled to prevent them from cutting the etching paper. The plate is cleaned, coated with ground, and then smoked. A sharp needle is used to cut the design into the plate. An acid bath eats into the drawn lines, and a water bath stops the action. Different effects can be produced by a rag wipe, a hand wipe, or a retroussage. The press is tested for pressure and the etching printed. (J-H-C)

Two reels, 25 minutes
Rental, \$2.50

MAKING BRICK PAVING (USDA)

The complete process of brick making from the securing of the raw materials, the process of manufac-

ture, drying and baking bricks in kilns, to the testing of the finished product is shown. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

MAKING OF PUPPETS, THE (BFS)

To illustrate the method best, the film follows the making of a puppet from beginning to end. In making a puppet, the material must be formed into workable character. In the making of this particular type of puppet, the finger stall is first made with light cardboard and glue, to which the cotton head filler is securely fastened. A sock is pulled over the filler and finger stall and cut one inch below the stall.

The operation of making the face of the puppet is then shown in complete detail, from sketching and painting the features through fastening the hair in place. The dress for the puppet is made from a pattern clearly viewed in the picture. When the dress is sewed to the now completed "head" of the puppet, it is ready for use. Several illustrative puppets of this design and make are then shown.

The clarity and simplicity with which this production has been made are great assets to the film. Any beginner, regardless of grade level, will be able to follow the simple instructions given in the film. (J-H-C)

One reel, 10 minutes
Rental, \$1.50

MALAYS OF SUMATRA, THE (FOC)

Sumatra, one of the largest islands in the Malay Archipelago, is largely peopled by two types. Of these, the Malays live along the coast, where they trade with neighboring islands, cultivating "wet rice" by primitive agricultural methods, and make meal with mortar and pestle. The Malay houses are unique and picturesque and their marriage ceremonies elaborate. The wedding of a rich man and woman is celebrated by processions through the village streets, gift bearers, and dancing to music made by an orchestra with native instruments. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

MANCHUKUO (EB)

Japanese occupation; mechanization of industry — coal and iron mines — steel mills — railroads; government buildings and new housing; native Chinese life — shops — trade; Harbin — the Russian influence; agriculture — the soya bean; and schools and hospitals. Present day information and scenes obtained by an outstanding newsreel photographer. For films in this series, see Japan, Russia, Siberia, and Turkey. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

MANUFACTURE OF ANESTHETIC ETHER (MCC)

First, ether is shown being made at the factory, animation being used to show the cycle of action. In the second part, called "Ether through the eyes of the chemist," the structural formula of ether is shown in animation—the breaking down of alcohol and sulphuric acid molecules into crude ether, which is then refined. Finally the chemical process is dramatized in animated cartoons in which the heat, alcohol, and sulphuric acid are personalized. (J-H-C)

One reel, 15 minutes
Handling charge, \$1.50

MARK TWAIN (ICS)

This reel includes a short biography of the famous humorist. Many of the scenes appearing in his stories open the film. A dramatization of "The Jumping Frog" brings the film to an end. Produced circa 1920. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

MARKET GARDENING (EB)

In this film greenhouse construction and gardening are contrasted with outdoor gardening in the South. Marketing produce by refrigerator cars is shown. (I-C)

One reel, 15 minutes
Rental, \$1.50

MEAT PACKING (EB)

Locates the cattle country and the "Feeder belt," pictures shipping of cattle to market, dressing of beef, government inspection, and curing of hams. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

MERRY CHRISTMAS (UW)

Catches all of the lift, suspense, expectancy and excitement that mounts for months to the glorious day of December 25th. Woodsmen in the forests are hunting your snow-tufted trees; farmers are fattening the holiday turkeys; craftsmen are perfecting new presents for Junior and Sister. With quickening pace, store windows blossom with moving displays of marvelous appeal; streets hum with shoppers. Finally the Eve of the great day arrives—and with it is Santa Claus himself. (P-I)

One reel, 15 minutes
Rental, \$2.00 (one day)

MESA VERDE NATIONAL PARK (DL)

Scenes of some of the more interesting places of the park. (J-H-C)

Two reels, 30 minutes
Rental, \$1.50

MEXICO (EB)

Scenes taken all the way from moss-covered pyramids to snow-crowned mountaintops show native life

and activities, and illustrate the latent possibilities as well as the progress of this country, which has been termed a "stile between waters." (J-H-C)

One reel, 15 minutes
Rental, \$1.50

MEXICO OF THE INDIANS (EB)

Portrays the ancient architecture and traditions of one quarter of Mexico's population. It also shows the customs, habits, homes, and geographical distribution of the various Indian tribes in Mexico. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

MEXICO OUR NEIGHBOR (NMP)

Classes in general and commercial geography will be interested in this film. It shows some of the mountains and plains of Mexico, describes the oil and mineral wealth, and compares the old and new methods of industrial and agricultural production now in use. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

MICROSCOPIC ANIMAL LIFE (EB)

Photomicrographic views show four single-celled animals: amoeba, paramecium (slipper-shaped protozoan), stentor (trumpet-shaped protozoan), vorticella (bell-shaped protozoan); and one remarkable multi-celled animal, the rotifer ("wheel" animalcule). (J-H-C)

One reel, 15 minutes
Rental, \$1.50

MINING AND SMELTING OF COPPER (EB)

Some of the physical properties of the metal—the states in which it is found—the methods by which it is mined, concentrated, and smelted—and the geographical factors affecting its profitable production are shown. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

MINING NICKEL, COPPER ORE (USBM)

Depicts the operations in the mining of nickel and copper ore in a large mine. (J-H-C)

One reel, 15 minutes
Handling charge, \$1.00

MIRAGE, THE (TFC, Restricted to Classroom Use)

Beginning with views of ghost towns of the Western deserts, the subject of mirages is introduced. Mirages can be seen only under certain conditions, and some of these conditions are explained. Several sequences show autos and trains going across the desert with their images distorted, sometimes reflected, then again appearing as if running through water and the sand hummocks looking like islands. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

MISSIONS OF CALIFORNIA (GDH)

With the founding of Mission San Diego de Alcalá in 1769 by Fray Junipero Serra, began a period of fifty years known as the Golden Age of California. This amazing Franciscan friar and his followers built twenty-one Missions extending seven hundred miles northward. This picture shows all the Missions as they appear today. Traveling along El Camino Real, the King's Highway, the film reveals the romantic Missions in the order of their founding. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

MODERN MILK (EMC)

The processes involved from the milking of the cows to the canning and shipping of evaporated milk are shown in this film. (I-C)

One reel, 15 minutes
Handling charge, \$1.00

MOHAWK VALLEY (EB)

Pioneer days in the valley—traveling by coach, a trip on the De Witt Clinton, etc.,—are contrasted with scenes of today from Schenectady to Rome, including a number of typical industries and places of interest. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

MOLD AND YEAST (EB)

Shows specimens of various kinds of mold growing on fruit, leather, clothes, and bread. It further shows the way in which molds develop and germinate. (J-H-C)

One reel, 8 minutes
Rental, \$1.00

MONKEYS AND APES (EB)

South American monkeys are shown feeding on fruits, and climbing; Old World monkeys, although lacking the power to grasp with the tail, are seen to be completely at home in the trees. Among the apes shown are dog-faced baboons, mother and baby orang-outang, a young chimpanzee, and babies of the giant gorilla. (P-I)

One reel, 8 minutes
Rental, \$1.50

MOSQUITOES (USDA)

The bureau of Entomology and Plant Quarantine of the U. S. Department of Agriculture produced this film. It shows the mosquito as a pest affecting man and beast, varieties and life history, safeguards and methods of control. Scenes are taken mostly in New Jersey and Florida. (General)

Three reels, 45 minutes
Rental, \$1.50

MUSCLES (EB)

Presents, by means of demonstrations and animations, the general nature and structure of muscles. It shows voluntary and involuntary muscles; contraction, effect of a series of stimulations, nature of sustained contraction, recording of muscle fatigue; arrangement of muscles in antagonistic groups, use of muscles in various activities. (I-C)

One reel, 15 minutes
Rental, \$1.50

MYSORE AND CEYLON (EB)

Modern and primitive industries in the native state of Mysore and the island of Ceylon. Ancient and modern methods of irrigation; development of hydro-electric power and centralized heavy industry such as gold mining and manufacture of chemicals; distillation of sandalwood oil; the silk industry; tea; coconut and cinnamon harvesting and preparation for marketing. The seaport of Colombo, capital of Ceylon—important buildings, street scenes, and harbor shipping. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

NATIVE AFRICA (UW)

Opening scenes take us on a trip through the interior. Finally we see scenes of the dark jungles of Africa. Especially interesting are the scenes of natives and the giraffes, zebras, tigers, and lions. A great risk on the part of the photographer made these animal shots possible. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

NAVAJO INDIANS—HOME LIFE (BFS)

Intimate and interesting glimpses into the lives of the Navajo Indians of the semiarid desert of Northern Arizona are given in this film. A few of the sequences included in this film are a close-up of an old Indian woman and a little child, a woman strapping her baby to a baby board, a woman preparing food, and a close-up of their famous sandstone silverwork—bracelets, rings, and other ornaments. This film is in Kodachrome. (I)

One reel, 15 minutes
Rental, \$1.50

NAVAJO INDIANS—RUG WEAVING (BFS)

The method of the weaving of the Navajo Indian's famous rugs is shown. The different operations shown are: sheepshearing; carding of the wool; spinning by hand; setting up the loom; silhouette view of erected loom; making of the dye; dyeing the yarn; close view of weaving technique; finishing the weave; and the finished rug. This film is in Kodachrome. (I)

One reel, 15 minutes
Rental, \$1.50

NEW ENGLAND FISHERIES — PART I (EB)

Cod. — Outlines the equipping and loading of a schooner for a trip to the Grand Banks — setting trawls and catching fish — unloading — preparing cod for market. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

NEW ENGLAND FISHERIES — PART II (EB)

Mackerel. — A school of mackerel is sighted, the seine boat puts off, the fish are caught and loaded on the steamer which takes them to shore, where they are prepared for market. (J-H-C)

One reel, 8 minutes
Rental, \$1.50

NEW ENGLAND SHRINES (FOC)

Scenes of many of the interesting places of historical importance in the New England States. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

NEW JANITOR (Castle)

Charlie Chaplin Comedy in which Charlie, working as a janitor, catches an executive absconding with funds to pay a gambling debt. Charlie has been fired, and the police almost get him instead of the villain, but in the end everything straightens out, he gets his job back and a reward. (General)

One reel, 15 minutes
Rental, \$1.50

NEW ORLEANS (EB)

This film shows Spanish-French influence in historic section, variety of exports and imports along river front, strategic position of the port and scenes. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

NEW SOILS FOR OLD (API)

Southern Illinois has many farm areas which have been so depleted as to be very poor farm lands. These two reels show in color the result of treating some of these soils with potash, limestone, and nitrates. The scenes were filmed on experimental areas under the direction of the University of Illinois College of Agriculture. (Color) (H-C-A)

Two reels, 30 minutes
Handling charge, 50 cents

NEW SOUTH, THE (EB)

Traces the rapid progress of the New South; its agricultural products — cotton, tobacco, rice, early vegetables, fruits, nuts; raw materials — marble, aluminum ore (bauxite), coal, limestone, iron; and water power for the paper, cotton-goods and other industries.

Birmingham, Mobile, New Orleans, and Miami are shown. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

NEW TURKEY, I (EB)

In highly instructive action scenes, this film shows the modernizing influence of young Turks, in industry, transportation, schools, government buildings, housing projects, and hospitals. For other films in this excellent series see Russia, Siberia, Japan, Manchukuo, and below. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

NEW TURKEY, II (EB)

This film, one of a series of two, depicts the agricultural activities of Turkey, the new schools of animal husbandry, the raising of tobacco, figs, sugar beets, and grapes. A very instructive film. See description above. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

NEW YORK WATER SUPPLY (EB)

This film gives an insight into a typical sanitary water system for a large city. Scenes and animations picture methods used in bringing water from the Catskills, through the mountains and under the Hudson River, to New York City. (I-C)

One reel, 15 minutes
Rental, \$1.50

NEW YORK, WONDER CITY (ICS)

World metropolis, complete picturization of this great city. (I-J-H-C)

One reel, 15 minutes
Rental, \$1.50

NEWS PARADE OF 1938 (ICS)

World events depicted in this film are Chamberlain at Munich, Benes rejecting Nazi terms, Occupation of Sudeten, and New England hurricane. (General)

One reel, 15 minutes
Rental, \$1.50

NEWS PARADE OF 1939 (ICS)

Scenes include the end of the war in Spain, invasion of Poland, declaration of war, Britain's navy, France's army, Royalty's London homecoming, U. S. cruisers round Cape Horn, and the epic rescue of the "Squalus." (General)

One reel, 15 minutes
Rental, \$1.50

NEWS PARADE OF 1940 (ICS)

Compiled and released just before the turn of the year, this outstanding film provides as can be done in

no other comparable way a graphic, accurate and permanent record of the year's headlines come to life! Wars, elections, defense pictured as they happened. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

NEWS PARADE OF 1941 (ICS)

Vividly and dramatically this film sketches history making events *prior* to American entrance into the war. Scenes portrayed include the battle fronts in China, the Near East, and Russia; the sinking of the German battleship Bismarck; President Roosevelt's speech after the sinking of the U. S. S. Kearney; and defense production scenes in the United States. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

NEWS THRILLS OF 1946 (UUH)

Newsreel shots of the big news breaks of 1946 — Forming of Italian Republic, Trieste discontent, Paris Peace Conference; ends with dramatic scenes of Bikini atom bomb tests. (J-H-C-A)

One reel, 15 minutes
Rental, \$1.50

NITRATE INDUSTRY OF CHILE, THE (FOC)

The film begins with the mining and refining of the nitrate ore. The refined nitrate is bagged and shipped to all parts of the world. The picture continues by showing farmers using the nitrate as a fertilizer. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

NITROGEN CYCLE (EB)

Shows the relation of nitrogen to plant and animal growth. Scenes presenting the formation of natural fertilizers and commercial fertilizers complete the story of the nitrogen cycle through living and nonliving things. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

NOERDLINGEN (GTI)

Scenes of the ancient town of Noerdlingen. Ancient buildings, costumes, the "Daniel" — the old church tower. A festival dance and a re-enactment of the siege of Noerdlingen during the Thirty Years' War are shown. (H-C-A)

One reel, 15 minutes
Rental, \$1.50

OCEAN LINERS (EB)

The building and launching of an ocean liner — balancing its cargo — stocking it with supplies for passengers and crew — inspecting it — the way the ship is navigated — life aboard. (I-C)

One reel, 15 minutes
Rental, \$1.50

"OLD IRONSIDES" (GDH)

The frigate "Constitution," better known as "Old Ironsides," ushered in our Navy in 1797. It brought great prestige to our country by its conquest of the pirates of Morocco and Tripoli in 1803-04 and its defeat over Britain's frigate *Guerriere*. This travellette shows "Old Ironsides" as she is today. Full-view shots from every angle being supplemented by intimate scenes aboard the ship. (General)

One reel, 15 minutes
Rental, \$1.50

OLD SOUTH, THE (EB)

Portrays in animation and photography the physical features of areas planted to tobacco, sugar, rice, cotton; pioneer life; early methods of transportation on a Mississippi River steamboat; and plantation life in the Old South. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

OPTICAL INSTRUMENTS (EB)

Utilizes the principles of reflection and refraction and applies them to optical devices. The film units are: (1) Mirrors; (2) The Eye and Spectacle Lenses; (3) The Camera; (4) Stereopticon and Moving Picture Projectors; (5) Microscopes and Telescopes. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

OREGON COUNTRY (EB)

Scenes along the early trails to Oregon contrast with scenes along the same routes today. The Lower Columbia River, salmon fishing and canning, and the Puget Sound area are also pictured. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

OVERLAND TO CALIFORNIA (EB)

Early routes to the west, following trails first made by animals, are shown to have been succeeded in turn by covered wagon trains, the pony express, traders, railroads, and airplanes. Through the Rockies, and across the Great Basin to San Francisco and the Pacific. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

OYSTERS (EB)

Life history of the Atlantic oysters. Methods used in oyster "farming," fishing, and canning. Also how pearls, formed in the Oriental pearl oyster, are graded, drilled, and assembled into necklaces. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

PACIFIC COAST SALMON (EB)

Multitudes of plucky salmon jump waterfalls, strug-

gle in rapids, and swim upstream against swift currents to reach their spawning beds. Natural and artificial spawning, seine and trap fishing, packing and canning are pictured. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

PALESTINE (FOC)

Presents some excellent views of certain portions of Palestine. It shows the outside walls of Jerusalem, the Damascus Gate, the ancient Wailing Wall, and in addition gives a few scenes of the people and their way of living. (I-C)

One reel, 15 minutes
Rental, \$1.50

PANAMA CANAL (EB)

Scenes and animations locate the Panama Canal and picture the gigantic task of sanitation and construction undertaken to shorten the route to the Orient. A complete, invaluable picturization. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

PARIS (UW)

World's most colorful city, loved by world travelers. Scenes of The Arc de Triomphe, the Unknown Soldier's Tomb, a glance down the Champs Elysees, the Eiffel Tower, the Place de la Concorde, Cafe de la Paix, The Invalides, Opera, and other points of historic interest. (I-J-H-C)

One reel, 11 minutes
Rental, \$1.50

PATROL PROTECTION (HEB)

Two boys with different attitudes toward the school patrol are the principal characters. The two are playing after school when the careful boy is struck by a car while warning his friend of danger. The careless boy reforms and becomes a member of the patrol. (P-I)

One reel, 10 minutes
Rental, \$1.50

PERU (EB)

Shows the rich natural resources, transportation difficulties, and living conditions in a land of coastal lowlands, Andean highlands, and interior lowlands. Pictures Lima, and the busy seaport cities; the sources of guano, crude oil, cotton, rice, sugar cane, copper, vanadium, and gold; native Indian life and the Inca ruins. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

PHILIPPINE ISLANDS (EB)

Pictures Manila; a sugar plantation; gathering, husking, chopping, drying coconuts; growing, threshing, hulling, polishing rice; preparing abaca stalks for hemp. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

PIED PIPER OF HAMELIN (ARF)

An excellently acted and photographed film of this old folk tale. It is adapted to general use.

Two reels, 30 minutes
Rental, \$2.00

PIG IRON TO STEEL (EB)

Traces the progress of the ore through open hearth furnace, blooming mill, and finishing mill to the finished products. "I" beams and rails. (I-C)

One reel, 15 minutes
Rental, \$1.50

PLANTING AND CARE OF TREES (EB)

Outlines the life cycles of the apple tree tent caterpillar, the codling moth, and the white-marked codling moth—shows the ravages of insects—the proper planting and care of trees. (I-C)

One reel, 15 minutes
Rental, \$1.50

PLASTER CARVING (WG)

Graphic exposition of a rapidly growing art form demonstrated by Milton Hebal, young American artist. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

POST OFFICE (EFLA)

The complete story of mailing a letter. The letter is mailed in the rural post box, is picked up by the rural carrier and brought in to the city post office. Cancellation, sorting, tying, pouching, transportation on the mail car, sorting by clerks and carrier, and the delivery of the letter are shown in detail. Intentionally all titles have been omitted so as to allow for more teacher participation. (P-I)

One reel, 15 minutes
Rental, \$1.50

POSTURE (E)

Prepared in cooperation with the American Posture League. Good posture, both standing and sitting; the part played by muscles in determining whether it shall be good or bad; how to correct poor posture; and the importance of good posture in physical well-being. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

POTASH FROM SOIL TO PLANT (API)

The opening sequence shows the use of the Neubauer test for determination of the amount of potash available in soil. Various experiments with various types of fertilizer in the production of Ladino clover are then shown. Results of some experimentation at the University of California are given. (H-C)

One reel, 15 minutes
Postage, 25 cents

POTASH PRODUCTION IN AMERICA (API)

This film depicts the production of potash in western states of our country. Animated drawings show the entire system of how potash is mined, carried to the surface, and finally refined for the use of the farmer. Approximately 2,700,000 gallons of brine are pumped each day from which the potash is finally obtained. A bed of potash is shown which is 50 to 75 feet deep and covers twelve square miles. Miners go to work 100 feet underground and scenes shown include blasting of crude salt, and centrifuges and Oliver filters. The film also illustrates the crystallization and flotation methods of refining the crude salt. (H-C)

Two reels, 40 minutes
Postage, 25 cents

POTATO ENEMIES (EB)

Was edited by the New York State College of Agriculture at Cornell University. Unit I takes up potato enemies that attack the vines above ground: flea beetles, Colorado potato beetles, leaf hoppers, and tarnished plant bugs. It shows the damage wrought by them, and demonstrates the spraying and dusting methods used to combat these pests, as well as "late blight." Unit II treats underground insects and diseases that attack potato tubers: wireworms, wheat wireworms (and their parents, the click beetles), Rhizoctonia fungus, potato scab, millipedes, white grubs (known in adult stage as May beetles or June bugs), slugs, and flea beetle larvae. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

PRINCIPLES OF FLIGHT (EB)

Elementary principles of lift and flight illustrated by kite, glider, and airplane. Animations and photography of apparatus, wind tunnels, show effect of air-current velocity, inclination angle of wings, and streamlining. Standard controls are demonstrated—rudder, elevators, ailerons, stabilizers, and fin. (H-C)

One reel, 15 minutes
Rental, \$1.50

PRODUCING CRUDE OIL (EB)

Covers the work preliminary to drilling—detailed drilling operations—comparison of rotary and cable-tool methods—striking oil—and methods of transporting it from inland fields to coast cities. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

PROTOZOA (EB)

The life of various protozoa is observed by means of microcinematography. Dissection of amoeba is made under the microscope. Methods and means of locomotion, food-getting, digestion, reproduction, elimination, and defense are observed. (H-C)

Two reels, 30 minutes
Rental, \$2.50

PUEBLO DWELLERS (EB)

Home life of the Pueblos of New Mexico, showing an Indian village, adobe dwellings, method of planting corn, squaws preparing tortillas, baking in an outdoor oven, basketweaving, pottery making, ceremonial dances, and a government school. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

PUERTO RICO (EB)

Indicates development of this island under United States control, and shows how location and climate make it a rich producer of agricultural raw materials. The topics are: (1) San Juan; (2) Schools and Colleges; (3) Rural Life; (4) Agricultural and Industrial Products. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

PUNJAB, THE (EB)

Rural life in the British administered state of the Punjab. Primitive methods of irrigation; a typical village courtyard where household tasks such as making unleavened bread, churning, preparing curry, washing, and spinning are being carried on. A trip to a market town. A native school in the open air. Delhi, the capital of British India—government buildings, shops and characteristic street scenes. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

PUPPET THEATRE (BFS)

A simple puppet theatre is shown in the course of construction. The style of the "stage" is as elementary as possible, so that the beginners may follow it clearly. A "curtain" is constructed from an old roller shade, and decorated. Methods of keeping the puppets on an even line during the course of their action are clearly reproduced.

When the stage is completed, a short play, using the characters of Hansel and Gretel, is produced for a group of children assembled to see the finished product. Various other characters appear, and scenes from both front and back stage are included. (J-H-C)

One reel, 7 minutes
Rental, \$1.25

PURIFYING WATER (EB)

Stresses the need for purifying water, and shows methods of aerating, filtrating, disinfecting and testing a city's water supply. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

RACCOON (EB)

The life of this inquisitive and friendly little fellow is shown "at home" as he fishes for crawfish in a stream. (P-I)

One reel, 8 minutes
Rental, \$1.25

RAILROAD TRANSPORTATION (USBM)

Shows methods of transportation from the time when beasts of burden were used for transportation to the modern diesel train. Stresses the fact that electric locomotives are better suited for certain operations than steam locomotives, such as, switch yards, tunnels, and terminals. States that the diesel locomotive is replacing steam locomotive on some railroads. (H-C-A)

Two reels, 30 minutes
Handling charge, \$1.00

REDWOOD SAGA (GDH)

Areas of Redwoods are being lumbered, and this fascinating travelette shows the cutting, loading, transportation, mill sawing and finishing operations in this large industry. Redwood is highly fire resistant, having little or no pitch content. The lumber is also impervious to pests that ravage other woods, and hence is employed whenever a long-lasting, almost permanent structural material is essential. (I-H)

One reel, 15 minutes
Rental, \$1.50

REFINING CRUDE OIL (EB)

Through demonstrations, animations, and photographs, the steps in distilling which are concerned with gasoline, kerosene, oil distillate, paraffin wax, fuel oil, lubricating oil, asphalt, and "cracking." (J-H-C)

One reel, 15 minutes
Rental, \$1.50

REFORESTATION OF WASTE LANDS (EB)

Depicts wasteful cutting of trees — contrasts an eroded slope with recently replanted areas — shows work carried on at a state tree nursery — concludes with a school project in reforestation. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

REFRIGERATION (EB)

The ammonia compression system of refrigeration applied to artificial ice making and mechanical refrigerators — making "dry ice"; harvesting natural ice; construction of refrigerator cabinets; circulation of air due to convection. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

REPTILES (EB)

Depicts harmless garter snakes, pit vipers, and poisonous coral snakes; New World lizards — American "chameleon," horned "toad," iguana, and Gila monster; alligators — their habits, eggs, and young; tortoises and turtles — box tortoise, desert tortoise, and marine turtles. (I-C)

One reel, 15 minutes
Rental, \$1.50

RIO GRANDE (EB)

Depicts the source of the river, the nature of the country, and the people who dwell along the banks of the Upper Rio Grande — the Elephant Butte Dam and the irrigation projects of the Middle Rio Grande contrasted with scenes on the Mexican side — and includes the manner in which fruits and vegetables are grown along the lower river and shipped to northern markets. (J-H)

One reel, 15 minutes
Rental, \$1.50

ROCKY MOUNTAIN MAMMELS (EB)

Traces a series of four life zones, one above another, on a typical western mountain. It shows antelopes, coyotes, mule deer, a mountain lion, grizzly bear, pack rat, cony, mountain sheep, a marmot, and many views of mountain goats. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

ROMANCE OF RUBBER (USRC).

Scenes on one of the largest rubber plantations in Sumatra. Shows the rubber industry from seed planting to the finished product. (I-C)

Two reels, 30 minutes
Handling charge, \$1.00

ROME (ICS)

Ancient and modern glories of this immortal city are shown in this subject. Among these are Hadrian's tomb, the Ancient Capitol, Marcus Aurelius' statue, the Colosseum, excavated masterpieces of ancient empire. (General)

One reel, 15 minutes
Rental, \$1.50

ROSE BOWL GAME 1947 (IHSA)

The complete pictorial record of the first modern meeting of the winner of the Big Nine and the Pacific Coast Champions in the 1947 Tournament of Roses football game. (General)

One reel (1600 feet), 60 minutes
Rental, \$5.00

RUBBER (EB)

Traces this product from the plantation in Sumatra through the manufacture of tires, tennis shoes, and fountain pens in the United States. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

RUSSIA — DEVELOPMENT OF AGRICULTURE (EB)

Life of the independent farmer; collective effort on farms conducted without modern equipment; state farms, agricultural schools; operating features of the modern mechanized collective farm. Filmed in 1938. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

RUSSIA — GLIMPSES OF LENINGRAD AND INDUSTRY (EB)

The principal streets, and public buildings; churches; a mosque. Activities in a newspaper office; a modern bakery; the Dnieproges Dam; modern industry — road building — Baku oil fields. Filmed in 1938. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

RUSSIA — GLIMPSES OF MOSCOW (EB)

Life in the capital of the U.S.S.R. — street scenes and public buildings; traffic and the new subway; housing projects; trade in Moscow's retail shops, department stores, and public markets; the clothing industry. Photographed in 1938. For films in this series, see Japan, Manchukuo, Turkey, Siberia, and below. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

SADDLE TRIPS IN YOSEMITE (YPC)

This picture deals with the various saddle trips that may be taken on the floor of Yosemite Valley and above the Valley rim, with scenic views of the many waterfalls in the Park. (General)

One reel, 15 minutes
Handling charge, \$1.50

SAFETY AT PLAY (EB)

Contrasts safe and unsafe places to play, safety in the use of play equipment, good habits in play, proper care of the playgrounds, and first aid for minor injuries. (P-I)

One reel, 8 minutes
Rental, \$1.50

SAND AND CLAY (EB)

In conjunction with "Limestone and Marble," this film gives an understanding of the rock-soil cycle in nature, and of the commercial significance of minerals involved. (I-C)

One reel, 15 minutes
Rental, \$1.50

SCULPTURE OF LAND BY RIVERS (FOC)

Here is presented a study of the erosion of the earth's surface by running water. The picture enables a student to get a good conception of the relentless wear upon the land surface by water from seeing views of the Dells of Wisconsin, Grand Canyon, and Ausable Chasm. Next the film pictures a laboratory experiment on how a river does its work. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

SEALS AND WALRUSES (EB)

Fur seals are seen at their native rookeries in Alaska. Close views reveal a herd swimming, walking on shore

by means of their flippers, and guarding and mothering their young. (P-I)

One reel, 4 minutes
Rental, \$1.50

SEEING GLACIER NATIONAL PARK (DL)

Travelogue over some of the park. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

SEEING HOW YOU SEE (BSC)

In this film the eye is first compared with the scientifically ground lenses of a camera. Next some abnormal conditions of the eye are reviewed and the accepted methods of remedying or correcting these difficulties. Other topics displayed are how eye examinations are conducted and what ailments may be discovered. The film concludes with a graphic distinction between an optician and an oculist, and the tragedy of poor vision. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

SEWAGE DISPOSAL (EB)

Deals with purification by Imhoff tank and sprinkling filter — purification by sand filtration — discharging sewage into the ocean with the ebb tide. (I-C)

One reel, 15 minutes
Rental, \$1.50

SHENANDOAH NATIONAL PARK (DL)

The nation's newest national park is located at the beginning of the film by means of animated photography. Then many beautiful scenes from the Park are given including some from the Skyline Drive. (I-C)

One reel, 15 minutes
Rental, \$1.50

SHIP OF THE DESERT (EB)

The camel is shown at its work in the forbidding desert wastelands. Arabs and their families, camels and young, Bedouin caravans, and scenes at an oasis are included. (P-I-J)

One reel, 15 minutes
Rental, \$1.50

SHORE DEPOSITS (FOC)

The different types of waves, how waves determine coast formation, and the principal features of wave and current deposition along the coast. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

SHORE LINES AND SHORE DEVELOPMENT (FOC)

A study of the forces which are shaping the coast lines of the continents and the shores of lakes. The picture considers the two main types of waves com-

monly developed in the sea and shows the work which they accomplish in changing the shoreline. Both kinds of work accomplished by waves and currents, erosion and deposition, are shown by the resulting beaches, cliffs, caves, bars, and spits. The fury of storm waves is emphasized. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

SIBERIA I (EB)

The Trans-Siberian Railroad; Alexandrovsky Prison; street scenes in Irkutsk; sports—home life—elementary school; public health projects; agriculture; the Buryat Mongolians; religious ceremonies (Buddhism). Taken in 1938. See Russia, Turkey, Japan, Manchukuo, and below. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

SIBERIA II (EB)

Lake Baikal—fishing—gold mining; religious ceremonies (Shamanism); the reindeer people (Tungus); manners and customs; activities in government schools, a sanatorium, and a store. Filmed in 1938. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

SILK (EB)

This film contains views of raw silk culture in Japan—animations and scenes showing time required and countries traversed to reach industrial centers of the United States—latest methods of production in a modern factory. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

SILVER (EB)

Treats the manufacture of sterling flatware and hollow ware, the production of plated ware and mirrors, and shows the importance of silver in the photographic field. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

SIMPLE MACHINES (EB)

The simple machines, lever and inclined plane, are developed as fundamental to other machines. Principles of mechanical advantage, moments, work, efficiency, and conservation of energy are applied. Complex machines are shown to be combinations of simple ones. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

SIX-MAN FOOTBALL (UI)

Football is a splendid game but the conventional eleven-man-team game is an impossible one for thousands of small high schools. The six-man-team game preserves the good features of football and puts the game within the reach of small high schools and for intramural use.

This film demonstrates the equipment needed, type

of field, fundamentals of individual and team play. Some offensive plays are demonstrated by two college teams. The film closes with scenes from a stirring game between Chrisman and Oakwood high school. The technical director for Six-Man Football was Ray Duncan, a national authority on the game. Filmed by the Visual Aids Service. (J-H-C)

Two reels, 30 minutes
Rental, \$2.50

SKIN (EB)

Contrasts the skins of various animals. It shows structure and method of growth of human skin; explains the sensation of touch, the formation of "goose-flesh," how hair "stands on end," the secretion of sweat, growth of hair and nails—illustrates the proper care of the skin. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

SMOKE STREAMS (FPC)

This is a visualized study of aerodynamics and air-flow phenomena. The 43 scenes illustrate the nature of flow around objects classified under headings of lift, drag, high lift devices, down-wash effects, tip losses, and miscellaneous flow phenomena. (H-C)

Two reels, 30 minutes
Rental, \$3.00

SOAP (E)

Contrasts methods of producing homemade soap with those followed in a modern, up-to-date factory—explains how and why water becomes hard—shows the action of soap in both hard and soft water. (I-C)

One reel, 15 minutes
Rental, \$1.50

SOCIAL CLIMATE OF GROUPS (UIO)

Is one of a series of four reels on child behavior. For description see Changes in Group Atmosphere. (C)

One reel, 15 minutes
Rental, \$2.00

SOME FRIENDLY BIRDS (EB)

The birds depicted in this film have been grouped together because of the similarity of their tastes and habits. It includes martins, a chickadee family, nut-hatches at home, a house wren building a nest, the rearing of bluebirds, woodpeckers feeding the young, and the "Spring Dance" of the flickers. (P-I-J)

One reel, 15 minutes
Rental, \$1.50

SOME LARGER MAMMALS (EB)

Herds of bison, black bears, Virginia deer (White-tailed deer), Wapiti (American elk), and moose are shown in their several types of wild surroundings. (This film supplements Rocky Mountain Mammals.) (J-H-C)

One reel, 15 minutes
Rental, \$1.50

SOME SEASHORE ANIMALS (EB)

An anemone and its relative, the sea feather, are interestingly shown. Feather dusters (marine tube worms) are pictured—one old specimen in its long, calcareous tube. Sea urchins are displayed from various angles. Close views of starfishes show how their tube feet assist them in feeding. A sunflower star swallows food. Closing scenes show the hermit crab and some of its seashore neighbors. (I-J-H)

One reel, 12 minutes
Rental, \$1.00

SOME WATER INSECTS (EB)

In this film striders skim along the surface—a water bug seizes and eats a minnow—a scorpion comes up to the water's surface for air—and dragon and damselflies are observed in detail. (I-C)

One reel, 9 minutes
Rental, \$1.50

SPIDERS (EB)

Aids in recognition, illustrates characteristic habits, and shows the development of several species of spiders, by means of interesting actual photography and animated diagrams. The units are: (1) structure of the spider; (2) spinning an orb web; (3) rearing the young; and (4) trapdoor spiders. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

STEAM POWER (EB)

Shows early steam engines, and the improvements which made the steamboat possible. Explains simple steam engines, steam boilers, and locomotives. (I-C)

One reel, 15 minutes
Rental, \$1.50

STEEL: BARS AND STRUCTURAL SHAPES (USBM)

Ingots are taken from the soaking pit to the blooming mill. The blooms made from ingots are reduced to billets and, in the form of billets, the steel is started through the continuous rod mill. Here structural steel shapes are manufactured. Later sequences show the industrial use of many of these steel forms. (J-H-C)

One reel, 15 minutes
Handling charge, \$1.00

STEEL: FLAT ROLLED PRODUCTS (USBM)

Flat ingots are taken from the soaking pit and started on journeys which end their manufacture. This film shows a continuous wide-strip mill in operation. Here strip is pickled, cold rolled, tested, tin plated or galvanized depending on the product desired. (J-H-C)

One reel, 15 minutes
Handling charge, \$1.00

STEEL: MAKING OF STEEL (USBM)

Actual scenes and animation clarify the open hearth, electric furnace, and Bessemer processes of making steel. Detailed sequences illustrate various testing procedures before the steel is poured into moulds. The movie ends with the ingots being transferred to soaking pits where they come to a uniform temperature and are then ready to be worked. (J-H-C)

One reel, 15 minutes
Handling charge, \$1.00

STEEL: PIPE AND TUBE MANUFACTURE (USBM)

Begins with hot billets which are pierced in a special mill for manufacture into seamless tubes. Animation makes clear the operation of the equipment. The whole process of rolling pipe to size and of butt welding pipe from flat strips or "skelp" is filmed. The reel ends with sequences on pipe inspection, storage, and pipe use in an oil well. (J-H-C)

One reel, 15 minutes
Handling charge, \$1.00

STEEL: RAILS, WHEELS, AND AXLES (USBM)

Begins with steel billets being rolled into shape for rails and the forging of axles for railroad use. The rigid inspection these articles must pass is shown in some detail. Car wheels are first roughly shaped in presses and after further heat treatment roll forged to uniform size and shape. (J-H-C)

One reel, 15 minutes
Handling charge, \$1.00

STEEL: RAW MATERIALS (USBM)

We begin with a fifteen-minute trip from iron mining, of both open pig and underground variety, to the blast furnace. Each important phase of this work is shown in some detail. For example, the internal operation of a blast furnace is shown by animation, and the film ends with molten iron being drawn from the furnace to be taken elsewhere for further refining. (J-H-C)

One reel, 15 minutes
Handling charge, \$1.00

STEEL: WIRE AND WIRE PRODUCTS (USBM)

A high-speed continuous mill takes hot steel billets and begins rolling them to rod size. Inspected as the rods leave the mill, they are pickled and coated with lime preparing them for cold drawing. The process of drawing cold rod through various sized dies is shown. This wire is then woven into fencing, cables, or cut into nails. (J-H-C)

One reel, 15 minutes
Handling charge, \$1.00

STORY OF A STORAGE BATTERY (USBM)

Reel 1 shows the historical development of the storage battery, and the various steps in its manufac-

ture. Reel 2 shows the various ways in which the battery is tested, sealed, and packed. Animated drawings visualize action in battery during charging and discharging. (J-H-C)

Two reels, 30 minutes
Handling charge, \$1.00

STORY OF THE STAR SPANGLED BANNER (FOC)

This film, adapted particularly to the elementary and junior high school level, dramatizes the life of Francis Scott Key from boyhood to the War of 1812. His imprisonment on a British ship and the allnight battle of Fort McHenry is vividly shown to be the cause of producing our national anthem. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

STREET SAFETY—FOR ADVANCED GRADES (EB)

Illustrates fundamental safety principles designed to govern outdoor activities of older children or adults. This film was made in cooperation with the National Safety Council and American Automobile Association. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

STREET SAFETY—FOR PRIMARY GRADES (EB)

A trained police dog is included among the actors and is used to demonstrate cardinal points of street safety by the indirect method. This subject is designed especially to impress younger children. (P-I)

One-half reel, 8 minutes
Rental, \$1.25

STUDIES ABOUT COMMUNICATION (PP)

Actual situation of forty school children in class and activity groups, working on: wireless and telegraph, radio, printing press and newspaper, carrying the mail, flag signals, signs and symbols, and ancient writing methods. (P-I)

One reel, 15 minutes
Rental, \$1.50

SUBJECT, VERB, OBJECT (STM)

This is a color film which emphasizes "big primary grammatical relations" in the sentence and "thought blocks" recommended in a National council of teachers of English monograph. Color symbols are used to emphasize meaning. The film is planned for use in grade 6 or higher and for review and remedial purposes. (J-H)

One reel, 13 minutes
Rental, \$2.00

SULPHUR (USBM)

Depicts all the processes in the production of sulphur: drilling wells; sending steam to bottom of wells; storing liquid sulphur; removing of sides of sulphur vats; blasting and shipment of the cooled sulphur.

Animated drawings depict the many uses of sulphur; also explains the numerous uses of sulphuric acid, which consume about three-fourths of the crude sulphur produced. (J-H-C)

Two reels, 30 minutes
Handling charge, \$1.00

SWEDEN (EB)

Shows the iron mines, hydroelectric plants, and native Lapps, all located north of the Arctic Circle. The lumber industry—native costumes and customs in rural districts. Stockholm—tomb of John Ericsson—the University at Uppsala—Göta Canal—Göteborg. The medieval ruins at Visby—estates of the nobility—agriculture in the province of Skane—seasonal sports—modern transportation facilities. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

SWIMMING AND DIVING ACES (ICS)

We learn, through slow motion in this film, what makes great divers. Every type of twisting, turning dive is shown. (General)

One reel, 15 minutes
Rental, \$1.50

SWISS WOOD CARVER (FOC)

Seppi is the son of a wood carver and lives with his father in the mountains of Switzerland. He tends goats and practices carving in his spare time. A dramatic incident brings in scenes from the famous places of Switzerland and Seppi gets his wish to go to the wood carving school at Brienz. (P-I)

One reel, 15 minutes
Rental, \$1.50

TABLEWARE (EB)

Modern methods of manufacture, as compared with old, show perfection in preparing clays for pottery. Modeling, casting, firing, and decorating tableware are pictured. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

TECHNICAL FILM NO. 1

Effect of fuel-injection advance angle on combustion in a high speed Diesel engine. (H-C)

One reel, 15 minutes
Rental, \$1.50

TECHNICAL FILM NO. 3

Effect of air fuel ratio on combustion in a high-speed compression ignition engine. (H-C)

One reel, 15 minutes
Rental, \$1.50

TECHNICAL FILM NO. 4

Effect of air flow on combustion in a high-speed compression ignition engine. (H-C)

One reel, 15 minutes
Rental, \$1.50

TECHNICAL FILM NO. 6

Effect of fuel injection nozzle design on combustion in a high-speed compression-ignition engine. (H-C)

Two reels, 30 minutes
Rental, \$1.50

TECHNICAL FILM NO. 12

A study of air flow in an engine cylinder. (H-C)

One reel, 15 minutes
Rental, \$1.50

TECHNICAL FILM NO. 14

Slow motion study of normal combustion preignition and knock in a spark ignition engine. (H-C)

Two reels, 30 minutes
Rental, \$1.50

TERMITES (EB)

The partial life history of termites is illustrated by subterranean termites (*Reticulitermes*), rotten-wood termites (*Termopsis*), and sound-wood termites (*Kaloterms*). A few of the many protective measures against these insects are shown. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

THOMAS A. EDISON (GE)

Two-score years after Edison invented the incandescent lamp, he was the guest of honor at the laboratories of the General Electric Company in Schenectady. This picture gives intimate glimpses of the famous inventor as he inspected the methods employed in the development of his greatest contribution to modern life. (I-C)

One reel, 15 minutes
Handling charge, \$1.50

THOMAS JEFFERSON (DEV)

Interesting events in the life of Jefferson are depicted. Produced circa 1920. (P-I)

One reel, 15 minutes
Rental, \$1.50

THREE JUNGLE GIANTS (EB)

The beauty and appeal of this picture lie in its very close views of Indian and African elephants with their wrinkled skins, upturned trunks and large, floppy ears; a thick-skinned rhinoceros wallowing in muddy water, and a young hippopotamus walking beside a small child. (P-I)

One reel, 4 minutes
Rental, \$1.50

THREE LITTLE BRUINS (Castle)

Three little bears and a litter of fox pups get into all sorts of woodland adventures. The bears go fishing, quarreling, and hunting termites, and the foxes have trouble with a racoon, a skunk, and an owl. (I-J)

One reel, 15 minutes
Rental, \$1.50

THREE LITTLE BRUINS MAKE MISCHIEF

(Castle)

A hilarious story of three small bears who, one day, wander out of their forest and happen upon a farm. Their visit involves encounters with such oddities—to a bear—as a cow, a goose and a horse. Then they find the kitchen which, naturally, complicates things.

(General)

One reel, 15 minutes
Rental, \$1.50

TIN (EB)

Opencast mining, sluicing, and bucket dredging are shown in the world's richest tin mines (in the Malay states). Tin is shipped to the United States, and the processes of making tin plate, tin cans for food containers, and various tin-base alloys are shown in full. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

TOURNAMENT OF ROSES (UI)

A complete cinematic record in color of the beautiful floral decorations on the floats of the 1947 Tournament of Roses Parade in Pasadena. (General)

One reel (800 feet), 30 minutes
Rental, \$2.50

TRANSPORTATION (DL)

This film begins by showing the early methods of transportation and continues to the present use of electric locomotives. (I-C)

Two reels, 30 minutes
Handling charge, \$2.00

TRANSPORTATION ON THE GREAT LAKES

(EB)

Explains the changes which took place during the formation of the Great Lakes. Pictures the sending out of lighthouse keepers and supplies at the opening of spring navigation, loading and unloading ore and grain freighters, passing through the "Soo" locks; car ferries, package and passenger lines. (I-C)

One reel, 15 minutes
Rental, \$1.50

TREE TO NEWSPAPER (EB)

Includes the steps involved in felling a tree, getting out logs, floating them to market, making wood pulp, and making paper ready for printing in a newspaper plant. (I-C)

One reel, 15 minutes
Rental, \$1.50

TUBERCULOSIS AND HOW IT MAY BE AVOIDED (EB)

By scenes and animations, tubercle bacilli are shown growing in the laboratory and in the lung tissue of the human body. A tuberculin test is given, a positive reaction is obtained, and the daily routine at a preventorium is pictured. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

UNDERSEA LIFE (EB)

This film exhibits the curious adaptations and habits of selected forms of marine animals: snail, hermit crab, sting ray, shark, remora, sea horse, puffer, and sea robin are shown. (I-C)

One reel, 8 minutes
Rental, \$1.25

UNIVERSITY OF ILLINOIS BANDS, 1934-1938 (UI)

Marching and formations of the band during this period are shown in Kodachrome. (I-J-H-C)

One reel, 15 minutes
Rental, \$2.00

UNIVERSITY OF ILLINOIS BANDS, 1939 (UI)

Marching and formations of the band during this year are shown in Kodachrome. (I-J-H-C)

One reel, 15 minutes
Rental, \$2.00

UNIVERSITY OF ILLINOIS BANDS, 1940 (UI)

Marching and formations of the band during this year are shown in Kodachrome. (I-J-H-C)

One reel, 15 minutes
Rental, \$2.00

UNIVERSITY OF ILLINOIS BANDS, 1946 (UI)

Marching and formations of the band during this year are shown in Kodachrome. (I-J-H-C)

One reel, 15 minutes
Rental, \$2.00

VACATION SAFETY (E)

The film units are: (1) Water Safety in an Organized Camp—good swimming precautions. (2) Boating—correct methods of handling boats. (3) Safe Conditions in Camp—the dangers from broken glass and from poison ivy. (4) Fire Building—correct methods of building and extinguishing campfires. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

VENICE (FOC)

Many of the famous and historical places such as the Grand Canal, the Rialto, the Ducal Palace, and St. Mark's Cathedral are vividly presented in this film. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

VIRGINIA — THE OLD DOMINION (EB)

Depicts a region rich in geographic, commercial, and historic interest. Surveys "Tidewater Virginia" with its cities, land and sea products; "Piedmont Virginia"; the beautiful "Blue Ridge" country; the "fall line" cities and crops; the "Greater Valley" and its rich

tributaries, showing scenic wonders, waterfalls, forests, and pulpwood products. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

VISIT TO YELLOWSTONE NATIONAL PARK, A (DL)

A short trip to the best known of our National Parks. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

VOLCANOES (EB)

Quiet overflow types are contrasted with volcanoes having explosive eruptions. Products of volcanoes and the life history of a volcanic cone. Subjects include Hawaiian volcanoes, the Palisades, eruptions of a South American volcano, Mt. Vesuvius, and a recent cinder cone of Lassen Peak. (I-C)

One reel, 15 minutes
Rental, \$1.50

WADING BIRDS (EB)

Beach and marsh birds, adapted to wading, are featured in this study. Included are rare views of the adults, eggs, and precocial young. The film units are as follows: (1) sandpipers, (2) snipes, (3) plovers, (4) stilts and avocets, (5) phalaropes, (6) herons. (I-J-H)

One reel, 12 minutes
Rental, \$1.50

WANDERERS OF THE ARABIAN DESERT (FOC)

The picturesque, hardy, warlike Arab lives in the occasional stretches of fertile country in the Arabian desert. Here highly skilled horsemen breed and school the famous Arabian horse. Sheep and goats are herded in the hills. As they move from place to place, the women load the camels with goat-hair tents and unload them when the move is over. They also do the spinning, weaving and breadmaking, while the men school their horses or smoke and talk. When the meal of mutton stew and coffee is served, the women and children must eat what the men have left over. All these scenes give the picture interest, beauty, and variety. (I-J)

One reel, 15 minutes
Rental, \$1.50

WAR IN EUROPE (ICS)

Has historical value in that it shows the invasion of Poland, declaration of war by Britain and France and other war scenes. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

WASHINGTON — THE CAPITAL CITY (EB)

Map and picture study of the Capital area, including Capitol and grounds, Library of Congress, Pennsylvania Avenue, and Columbus Memorial; White

House section, including Treasury Building, State, War, and Navy Buildings, White House, Ellipse, and Pan-American Union Building; and the Mall, including Botanic Gardens, Smithsonian Institute, National Museum, Washington Monument, Tidal Basin, Potomac River, Lincoln Memorial. (I-C)

One reel, 15 minutes
Rental, \$1.50

WATER CYCLE (EB)

Graphic presentation of the continuous circulation of water, from earth to sky and back to earth. Examples of evaporation, condensation, precipitation, storage, and run-off are given. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

WATER POWER (EB)

The relationship of water power to electricity. Water wheels, high and low head developments, hydro-electric generators, the principle of the turbine, the transmission and use of electric power. (J-C)

One reel, 15 minutes
Rental, \$1.50

WEATHER FORECASTING (EB)

The collection, tabulation, and interpretation of weather data obtained from observations and instruments. Data sent to headquarters is charted on a map. In animation, a procession of low and high pressure areas moves across the United States from west to east. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

WEE SCOTCH PIPER, THE (FOC)

In this film use is made of the longing of a small boy, Ian, for a bagpipe to present some scenes from Scotland. (P-I)

One reel, 15 minutes
Rental, \$1.50

WEST COAST MOUNTAINS OF CANADA (NFBC)

The mountains which form a formidable barrier between the West Coast and the rest of Canada are a prolific source of minerals. The valleys between the ranges provide fertile farming soil, and the vast forests which clothe the mountainside are the basis for the prosperous lumber industry of British Columbia. (I-J-H)

One reel, 15 minutes
Rental, \$1.50

WHEAT (E)

Evolution of the wheat industry from pioneer methods of farming to big-scale farming with tractor-drawn machines, harvesting "combines," and storage in huge grain elevators. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

WHEAT TO BREAD (E)

Pictures primitive methods of making bread—a pioneer grist mill—a modern flour mill—a bakery, showing bread mixing, kneading, steaming, rising, baking. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

WILD FLOWERS (EB)

Woodland, meadow and field flowers such as Hepatica, Bloodroot, Trillium, Azalea, Iris, Tidy Tip, California Poppy, and Blazing Star, live out their life cycles on the screen. Through time-lapse photography they are seen as they grow, blossom, and wilt—all in an interval of a few minutes. (I-C)

One reel, 15 minutes
Rental, \$1.50

WOOLEN GOODS (E)

Traces the sources of wool—contrasts methods of carding, spinning, and weaving homespun and factory-made wools—follows through the operations involved in making an overcoat. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

WORK OF UNDERGROUND WATER (FOC)

Presents a study of the geologic work of underground water and the expressions of the result in caves, sink holes, and natural bridges. Springs, artesian wells, and geysers are considered. Animated drawings are extensively used to explain the phenomena. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

YELLOWSTONE MAGIC (ICS)

In this film we see the most beautiful of our National Parks, the magnificent Yellowstone River Canyon and Old Faithful. (J-H-C)

One reel, 15 minutes
Rental, \$1.50

YELLOWSTONE NATIONAL PARK (E)

Shows molten lava, obsidian cliffs, hot springs, and mud volcanoes. It illustrates and explains action of geysers, Yellowstone Canyon, and work of the rangers. Bird and animal life are pictured. (I-C)

One reel, 15 minutes
Rental, \$1.50

YOSEMITE NATIONAL PARK (DL)

Views of well-known peaks—North Dome, El Capitan, Half Dome, and others—are followed by views of mountain lakes, Yosemite falls, and Bridal Veil falls. There are also scenes of winter sports. (General)

One reel, 11 minutes
Rental, \$1.50

Description of Transcriptions and Records

For general regulations, the inclusion of radio transcriptions on memberships, and suggestions, see pages 5-7.

Fees: The single title handling charges on all of the following records will be \$1.00 for the first subject booked and 50¢ for each additional subject included in the same shipment. It will be noted that in some instances there are two titles to one disc. In such cases the one handling charge covers both subjects.

WAKE UP AMERICA SERIES

Censorship, Public Opinion, and Morale

Speakers: Dr. Max Lerner, Dr. O. Glenn Saxon,
Arthur G. Hays

How Can America Solve Its Manpower Shortage?

Speakers: Rep. John J. Sparkman, Dr. Alfred P.
Haake, Mr. C. J. Thomas

How Can We Solve the Shipping Crisis?

Speakers: Rear Admiral Howard Vickery,
Sir Arthur Solter, John Green

Is Civilian Morale Retarding Victory?

Speakers: Adolphe Menjou, Fulton Oursler,
Jonathan Daniels

Is Our Silver Policy Sound?

Speakers: Dr. Adolph Bregman, Dr. Walter Spahr,
Bene Leon, Senator Elmer Thomas

Is Washington Overregulating War Industries?

Speakers: Stuart Heinritz, Aaron Lewinstein,
Dr. Alfred P. Hooke

Must Civilians Be Drafted for War Work?

Speakers: Richard T. Frankenstein, C. C. Teague,
Almon Roth

Should the Government Accept Responsibility for Full Postwar Employment?

Speakers: Stuart Chase, Dr. Louis M. Hacker

Should the People Have More Voice in the Conduct of the War?

Speakers: Norman Thomas, Senator Stiles Bridges,
Freda Kirchwey

What Is the War Doing to Our Colleges?

Speakers: Dr. Hamilton Holt, Dr. William F.
Peirce, Miss Elizabeth Robertson

Would Immediate Freedom for India Hasten or Retard Victory?

Speakers: Louis Fischer, Lt. Col. Stewart Roddie,
John Goetti

Would a Planned Economy Destroy Our Two Party System?

Speakers: Dr. Ruth Alexander, Prof. Maynard C.
Krueger

Would a Supreme Command for the United Nations Be Desirable?

Speakers: Major George F. Eliot, Major General
Paul B. Malone, Lt. Col. W. Stewart
Roddie

ILLINOIS MARCH OF HEALTH SERIES

Vital Statistics

Typhoid Fever

Swimming Pool Sanitation

Wartime Public Health Activities

Infantile Paralysis — Unseen Enemy

Cancer Control

Infantile Paralysis

Roentgen Ray

Degenerative Diseases

Sight Saving

Maternal Health

Smallpox

Heart Disease

Industrial Hygiene

Whooping Cough

Diphtheria

Dental Hygiene

Nutrition

Safe Milk

Child Guidance

Social Hygiene Progress

Controlling Pneumonia

Diabetes

Appendicitis

Tuberculosis

Food for Defense

Marriage Law

Silver Nitrate

Safe Drinking Water

The Common Cold

Illinois Blood Plasma Program
Discovery of Insulin for Diabetes

Heredity
Heart Disease

Trailer Camp Sanitation
Story of Pasteur and Rabies

Nutrition
Pneumonia

Tuberculosis
Social Hygiene

Typhoid Fever
Maternal Health

Dental Hygiene
Vision Conservation

Undulant Fever
Diphtheria

LEST WE FORGET — SERIES NO. II

A Woman's Concept of Liberty
The Gentle Quaker
Triumph of Reason Over Witchcraft
"Poor Richard" Makes Good
He Fought With His Pen
Farmer, Executive and Father of His Country

Idol of the Backwoodsmen
Father of the American Navy

Law in a Democracy
Birth of the Little Red School-House

Blazing the Westward Trail
Democracy Comes of Age

The Blue and the Gray
Democracy in Literature

"Go West, Young Man!"
The Little Red School-House Grows Up

The Crusade for Women's Rights
The American Sense of Humor

The Growth of the Soil
Common-Sense Philanthropy

"Woodman, Spare That Tree!"
For Them We Build

". . . With Liberty and Justice for All"
Death to the Microbe!

Speech on Wings
Land of the Free, Home of the Brave

LEST WE FORGET — DEMOCRACY IS OUR WAY OF LIFE — SERIES NO. III

Democracy Is Our Way of Life
Democracy Can Be Betrayed

The Rights of Citizenship
The Duties of Citizenship

The Party "Regular" versus the "Independent"
Democracy Advances

The Early Meaning of Democracy
Increasing Complexity Brings Increasing Regulation

The Westward Advance of Democracy
Democracy Begins at Home

Democracy in the Schools
Democracy and Adult Education

Democracy and Health
Religion in a Democracy

Democracy and the Farmer
Democracy in Industry

Toward the Common Good
Property Rights in a Democracy

Women in a Democracy
Democracy and Radio

Democracy and Preparedness
Democracy in War-Time

The Ideal Persists
The Methods of Democracy

What Price Vigilance?
The Victory of Democracy

LEST WE FORGET — "OUR CONSTITUTION" SERIES NO. IV

Unfurling Freedom's Standard
The Mayflower Compact

We Declare Our Independence
Articles of Confederation

From Chaos Toward Unity
The Virginia Plan

Government by the People
Democracy Goes into Action

The Bill of Rights
Freedom of Speech

Freedom of Assembly
Freedom of Press

Freedom of Religion
Life, Liberty, and Property
Democratic Procedures Extended
By the Will of the People
Guardians of Our Constitution
Justice Conquers Prejudice
Public Office Is a Public Trust
Government for the People
Law and Order
Elected to Serve
The Monroe Doctrine
Without Due Process of Law
The Good Ship "Constitution"
Defending Our Constitution

**LEST WE FORGET — A BETTER WORLD FOR
YOUTH — SERIES NO. V**

Youth Must Be Free
Educating Youth for Democracy
Freedom of Endeavor
Youth and Freedom of Religion
Soldiers of Hate or Defenders of Democracy
Youth in the Home
Vocation for Youth
Young Women Play Their Part
Youth in the Armed Forces
Free Political Thinking
Propaganda vs. Truth
Youth Has Rights and Responsibilities
Youth Faces the Future
I Am an American

**LEST WE FORGET — "AMERICA DETERMINES
HER DESTINY" — SERIES NO. VI**

Two Worlds in Conflict
The Fascist International
Hymns of Hate
Lies for Destruction
The Fine Art of Sabotage
Poison for the Campus
Freedom of Thought
Equal Justice for All
The Right to Be Free
Infection From Berlin

Diplomatic Spiderwebs
Pipelines of Hate
Divide and Conquer
"Hate Thy Neighbor"
Hitler's Unpaid Helpers
A Nation Can Be Destroyed
Truth Will Keep Us Free
The 7th of December
All Battlefronts Are One
This Is Everybody's War
We Have to Win
United We Stand
The People Are on the March
Prelude to Defeat
We Know What We Want
We Will Get What We Want

**LEST WE FORGET — ETERNAL VIGILANCE IS
THE PRICE OF LIBERTY — SERIES NO. VII**

Eternal Vigilance Against Tyranny
Eternal Vigilance in the Community
Eternal Vigilance in the Schools
Eternal Vigilance in the Factory
Eternal Vigilance in Business
Eternal Vigilance in the Home
Eternal Vigilance in Religion
Eternal Vigilance in the Courts
Eternal Vigilance in Government
Eternal Vigilance in Organizations
Eternal Vigilance Against Rumors
Eternal Vigilance for New Truths
Eternal Vigilance Among War Veterans
I Am an American

**LEST WE FORGET — OUR NATION'S SHRINES
SERIES NO. VIII**

The Unknown Soldier
Plymouth Rock
St. Paul's Church
Faneuil Hall
Bunker Hill
Independence Hall
Mount Vernon
Jefferson Memorial

Lincoln Memorial

Statue of Liberty

The White House

The Capitol

The Flag

I Am an American

**LEST WE FORGET — ONE NATION INDIVISIBLE
SERIES NO. IX**

Bombs Away!

So They Might Live

Pipeline U. S. A.

Danger — Men at Work

You Own Tomorrow

Victory on Main Street

It All Began With a Lie

Count Five

Out of Depths

Making of a Hero

We Fight for Peace

Liberty Ship

State of the Union

Freedom Unlimited

**LEST WE FORGET — THESE GREAT AMERICANS
SERIES NO. X**

George W. Norris

Joseph Pulitzer

Franz Baas

Samuel Gompers

Woodrow Wilson

Franklin D. Roosevelt

Wendell Willkie

Dr. Joseph Goldberger

Jane Addams

Justice Brandeis and Holmes

George Washington Carver

Al Smith

ADVENTURES IN RESEARCH

Roentgen — Discovery of X-Ray

Wakeless Torpedoes

William Henry Perkin

Transcriptions

Wonder Worker

Accidental Discovery

Time Capsule

Television

Story of Electron

Electronic Tube

Electronics in Communication

Electronics in Transportation

Electronics in Industry

Electronics in Health and Personal Enjoyment

King of Clocks

Paper Invention That Worked

HOW CAN WE MAKE THE VICTORY STICK?

German Plan for Beating Defeat

What War Criminals Should Be Punished?

Can Germany Be Successfully Disarmed?

What Reparations Shall Germany Pay?

Victory Is Not Enough

Why Did Japan Run Amuck?

Shall We Support the Japanese Emperor?

What Reforms in Japan Are Fundamental?

Can China Achieve Democracy?

Can the Colonial Empires Be Maintained?

Why Does Russia Distrust the West?

What Does Russia Want?

Can We Cooperate With Soviet Russia?

How Can Germany Be Kept Peaceable?

Is Fascism a Continuing Danger?

Will the United Nations Organization Bring Peace?

Shall Germany and Japan Be Dismembered?

How Long Shall Germany Be Occupied?

How Can Japan Be Kept Harmless?

How Shall the Peace Be Made?

Can the Senate Amend the Peace Treaties?

What Was Wrong With the League of Nations?

Can a Revised League of Nations Succeed?

What Are the Main Issues?

Must We Have World War III and IV?

BEYOND VICTORY

World of the Air Age

A Scientist Looks at Atomic Energy

Atomic Power Plants of the Future

Inside the Atom
The Atom — Challenge to Science
United Nations Assembly Meets
Issues That Face the United Nations
A Review of the United Nations Organization
The United Nations and Special Agencies
Can the U.N.O. Protect Human Rights?
The Hardships of Victory — England Today
Russia and the United States
Can We Understand Each Other?
France — Our Ally in War and Peace
Life in China Today
Anglo-American Trade Relations
What World Trade Means to You
Report on the Children of Europe
Security Council Faces Its Task
American Prosperity and Foreign Trade
A Scientist Looks at Atomic Energy
Inside the Atom
Planning an International Trade Organization
They Burned the Books
Shall India Starve?
Famine Relief and Your Hope of Peace
International Commerce and the United Nations

World of the Air Age
Central Europe
Japan, An Arrested Power
Resources of Brazil and Argentina
Planning Neighborhoods
Trends in American Architecture

PRINCIPLES OF MODERN DESIGN

Curtain Rises on the Paris Peace Conference
Preserving Human Rights in the Peace
Contrasting Peace Conferences 1919 and 1946

TUNEFUL TALES SERIES NUMBER 1 (78 rpm)

Johnny Cake
Laughing Jack O'Lantern
Little Engine That Could
Shoemaker and the Elves
Three Little Pigs

STATE SPEECH FINALS

The Visual Aids Service has wax recordings of the six winning speeches in the Illinois State Speech Contest for the years 1948, 1949, 1950 and 1951. In the future, it is planned to reproduce these speeches on tape recordings or wax or both. Wax recordings are at 78 r.p.m. No standard speed has been set for tape recordings.

Listing of Producers and Depositors

A	Academy Films	CPP	Central Pictures Productions
AAER	Air Age Education Research	CRC	Calumet Refining Company
AAF	Army Air Force	CT	Chicago Tribune
AAR	Association of American Railroads	CVE	Catholic Visual Education
AB	Arthur Barr Productions	CW	Churchill-Wexler Film Productions
AC	American Can Company		
ACFC	Academic Films Company	DEV	H. A. Devry Company
ACS	American Cancer Society	DL	Delux Laboratories
AF	Artists Films	DM	Donavin Miller Productions
AFC	American Film Company		
AFD	Arcade Film Distributors	E	Eastman Kodak Company
AFF	A. F. Films	EB	Encyclopaedia Britannica Films
AFP	American Forest Products Industries	EC	Ethyl Corporation
AFR	American Film Registry	EFLA	Educational Film Library Association
AGF	Army Ground Forces	EMC	Evaporated Milk Company
AHA	American Humane Association	EP	Edited Pictures
ALA	American Library Association	EPC	Eastin Pictures Company
ALT	Audivision Language Teaching	ESF	Educational Sound Films
AMA	American Mutual Alliance		
ANIB	Australian News and Information Bureau	F	Frith Films
AP	Audio Productions	FC	Firestone Company
API	American Potash Institute	FCI	Film Center, Incorporated
ARC	American Red Cross	FF	Forum Films
ARCO	Armour and Company	FI	Films, Incorporated
ARF	Arcade Films	FMC	Ford Motor Company
AS	Alan Shilin Productions	FOC	Films of Commerce
ASF	Association Films	FOF	Foster Films
ASFL	Association of School Film Libraries	FON	Films of the Nations
ATH	Athena Films	FP	Films Productions, Incorporated
AVC	American Viscose Corporation	FPC	Fray Pictures Corporation
		FPI	Film Publishers, Incorporated
B	Bray Studios	FPS	Film Program Services
BB	Ball Brothers Company	FSL	Film Service Laboratory
BBB	Bemis Brothers Bag Company		
BFS	Bailey Film Service	G	Walter Gutlohn
BHG	Better Homes and Gardens	GAF	Garrison Films
BIA	Bicycle Institute of America	GAN	William J. Ganz and Company
BIS	British Information Service	GDH	Guy D. Haselton
BO	Baltimore and Ohio Railroad	GE	General Electric Company
BRF	Brandon Films	GL	Greyhound Lines
BSA	Boy Scouts of America	GM	General Motors Corporation
BSC	Belgard Spers Company	GTI	German Tourist Information Office
BU	Paul Burnford Film Productions	GYA	Gypsum Association
C	Coronet Instructional Films	H	Harmon Foundation, Incorporated
Castle	Castle Films Div., United World Films	HEB	Highway Education Board
CC	Calvin Company	HFE	Hollywood Film Enterprises
CCC	Cinema Craft Company	HIFS	Handicraft Instructional Film Service
CFC	College Film Center	HL	Hawley-Lord, Incorporated
CFS	Capital Film Service	HNP	Heidenkamp Nature Pictures
CHC	Chrysler Corporation	HOP	Hoffberg Productions
CHU	Frank B. Church Films	HP	Hammermill Paper Company
CIO	Congress of Industrial Organizations	HU	Harvard University
COB	C. O. Baptista Films		
CP	Commonwealth Pictures Corporation	I	Ideal Pictures Corporation
		ICS	Institutional Cinema Service

- | | | | |
|--------------|---|---------------|---|
| IFB | International Film Bureau | P | Paramount Pictures |
| IFF | International Film Foundation | PAA | Pan-American Airlines |
| IG | International Geographic Pictures | PB | Pocket Books |
| IH | International Harvester Company | PC | Pathescope Company |
| IHSA | Illinois High School Association | PCA | Portland Cement Association |
| ILI | Institute of Life Insurance | PF | Pictorial Films |
| ILU | Indiana Limestone Institute | PHP | Paul Hoefer Productions |
| IU | Indiana University | POR | Portafilms |
| JH | Jam Handy Organization | PP | Purinton Pictures |
| JHP | Johnson Hunt Productions | PRP | Progressive Pictures |
| KB | Knowledge Builders | PSC | Pennsylvania State College |
| KF | Kraft Foods | PSCNI | Public Service Company of Northern Illinois |
| KRUSE | Charles C. Kruse | PTC | Plomb Tool Company |
| LF | Library Films, Incorporated | RAY | Reid H. Ray Film Industries |
| MCC | Mallinckradt Chemical Company | RFA | Religious Film Association |
| McGH | McGraw-Hill Book Company,
Text-Film Dept. | RH | Richard Hudnut |
| MCS | Mercer County Schools, W. Va. | RKO | RKO — Radio Pictures |
| MFC | Melville Film Corporation | S | Sinclair Refining Company |
| MGM | Metro-Goldwyn Mayer | SCW | State College of Washington |
| MLI | Metropolitan Life Insurance Company | SD | Sid Davis Productions |
| MMA | Museum of Modern Art Film Library | SF | Sterling Films, Incorporated |
| MOT | March of Time-Forum Films | SI | Sugar Information, Incorporated |
| NA | Nu-Art Films | 16mm P | 16 millimeter Pictures |
| NAM | National Association of Manufacturers | SM | Simmel-Meservey |
| NBFU | National Board of Fire Underwriters | SOC | Shell Oil Company |
| NEA | National Education Association | SPMIC | St. Paul-Mercury Indemnity Company |
| NESC | Newark Safety Council | SSI | Smith-Surey, Incorporated |
| NFA | National Fertilizer Association | STM | Stuart Mitchell |
| NFBC | National Film Board of Canada | STO | Standard Oil Company |
| NMC | Nashua Manufacturing Company | SU | Syracuse University |
| NMCM | National Music Camp, University of
Michigan | SW | Swank Motion Pictures |
| NMH | National Mental Health Foundation | T | Transfilm Incorporated |
| NMP | National Motion Picture Company | TBFL | Tea Bureau Film Library |
| NPC | National Probation and Parole Association | TC | Teachers College, Columbia University |
| NPR | National Pacific Railway | TCA | Tanners Council of America |
| NSB | National Soybean Crop Improvement
Council | TEX | Texas Company |
| NSC | National Safety Council | TFC | Teaching Film Custodians |
| NSPB | National Society for the Prevention of
Blindness | TOM | Tompkins Films |
| NWLA | National Wild Life Association | TWA | Transcontinental and Western Air Lines |
| NYC | New York Central Railroad | UDA | United Duroc Association |
| NYSYC | New York State Youth Commission | UFC | United Fruit Company |
| NYU | New York University | UI | University of Illinois |
| NZNFU | New Zealand National Film Unit | UIO | University of Iowa |
| OF | Official Films | UK | University of Kansas |
| OIAA | Office of Inter-American Affairs | UM | University of Minnesota |
| OPA | Office of Price Administration | UO | University of Oregon |
| OSFS | Official Sports Film Service | USAF | United States Air Force |
| OSU | Ohio State University | USBM | United States Bureau of Mines |
| OWI | Office of War Information | USDA | United States Department of Agriculture |
| | | USDC | United States Department of Commerce |
| | | USDI | United States Department of Interior |
| | | USDS | United States Department of State |
| | | USI | United Specialists Incorporated |
| | | USN | United States Navy |

USOE United States Office of Education
USRC United States Rubber Company
USSC United States Signal Corps
UUH Urbana, Illinois, University High School
UW United World Films
UWI University of Wisconsin
VDE Virginia State Department of Education
VGf Vocational Guidance Films
VIF The Vernard Organization

WB Warner Brothers
WHI John and James Whitney
WI Westor Institute
WLF Wild Life Films
WPP Wilding Picture Productions
YA Young America Films
YMCA See Association Films
YPC Yosemite Park and Curry Company

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- Colombia and Venezuela (S)
- Colombia, South American Medley (S)
- Silent War (S)

COLONIAL LIFE

- Boston Tea Party (S)
- Candle Making (S)
- Colonial Children (S)
- Colonial Expansion (S)
- Colonial Williamsburg (S)
- Discovery and Exploration (S)
- Early Settlers of New England (S)
- Lafayette, Champion of Liberty (S)
- Land of Liberty (S)
- Pilgrim Days (S)
- Servant of the People (S)
- Territorial Expansion of the United States (S)
- See also: PIONEER LIFE; UNITED STATES

COLORS

- Nature of Color (S)

COMEDIES

- Cure, The (S)
- Easy Street (S)
- Floorwalker, The (S)
- New Janitor (X)
- Pawnshop, The (S)
- Rink, The (S)
- See also: CARTOONS

COMIC STRIPS

- Funny Business (S)

COMMERCE: See ECONOMICS; TRANSPORTATION

COMMERCIAL EDUCATION

- Advanced Typing — Duplicating and Manuscript (S)
- Advanced Typing — Shortcuts (S)
- Basic Typing — Machine Methods (S)
- Basic Typing — Machine Operations (S)
- Bookkeeping and Accounting (S)
- Bookkeeping and You (S)
- Building Typing Skill (S)
- Filing Procedures in Business (S)
- Fred Meets a Bank (S)
- I Want to Be a Secretary (S)
- Machine Transcription — Machine Operations (S)
- Machine Transcription — Transcription Technique (S)
- Office Etiquette (S)
- Ready to Type (S)
- Secretary Takes Dictation (S)
- Secretary Transcribes, The (S)
- Secretary's Day, The (S)

COMMUNICATIONS

- Airplane Radio Antennas (S)
- Brazil Gets the News (S)
- Communications Westward (S)
- Contact with Books (S)
- Development of Communication (S)
- Development of Transportation (S)
- Fundamentals of Acoustics (S)
- Highlights and Shadows (S)
- Laying the Atlantic Cable (S)
- Light and Power (S)
- Making a Book (X)
- Our Shrinking World (S)
- Pony Express (S)
- Post Office (X)
- Receiving Radio Messages (S)
- Searchlight on the Nations (S)
- Sending Radio Messages (S)
- Story of Communications, The (S)
- Trees to Newspaper (X)
- Trees to Tribunes (S)
- Trucks That Serve Our City (S)
- Vacuum Tube (S)
- See also: RADIO AND TELEVISION

CONCRETE

- Building Low Cost Concrete Flume for Erosion Control (S)
- Building With Concrete Masonry (S)
- Concrete on the Farm (S)
- Let's Make Concrete (S)

CONGO

- Jungle Yachts in Belgian Congo (S)
- People of Congo (S)
- Pygmies of Africa (S)

CONSERVATION

- Alaska — Reservoir of Resources (S)
 - Beavers (X)
 - Blessings of Grass (S)
 - Block That Termite (S)
 - Conservation of Natural Resources (S)
 - Conservation Road (S)
 - Cycle of Erosion (X)
 - Fire Weather (S)
 - Flood Weather (S)
 - For Years to Come (S)
 - Forest Conservation (S)
 - Forest Ranger, The (S)
 - Formation of Soil (X)
 - Free Horizons (S)
 - Frying Pan and the Fire, The (S)
 - Grassland (S)
 - Heritage We Guard, The (S)
 - In Common Cause (S)
 - Masters of the Soil (S)
 - Muddy Waters (S)
 - New Soils for Old (X)
 - Operation of a Forestry Nursery (S)
 - Out of the Frying Pan Into the Firing Line (S)
 - Rain on the Plains (S)
 - Realm of the Wild (S)
 - River, The (S)
 - Seeds of Destruction (S)
 - Strand Breaks, A (S)
 - Then It Happened (S)
 - This Is Our Land (S)
 - Tree of Life, The (S)
 - Trees for Tomorrow (S)
 - Trees to Tame the Wind (S)
 - TVA (S)
 - Wild Fowl Conservation (S)
 - Yours Is the Land (S)
- See also: **AGRICULTURE; GEOLOGY; WILD LIFE**

CONSTITUTION

- Make Mine Freedom (S)
 - Our Bill of Rights (S)
 - Servant of the People (S)
- See also: **UNITED STATES**

CONSTRUCTION

- Brick and Stone Mason (S)
- Building a House (S)
- Building America's Houses (S)
- Building With Concrete Masonry (S)
- Heating and Air Conditioning (S)

- Lumber for Houses (S)
 - Mr. Farmer Builds a Septic Tank (S)
 - New Earth (S)
 - Painting and Decorating (S)
 - Plumbing (S)
 - Sheet Metal Worker (S)
 - Shelter (S)
 - Silos for Grass and Legume Silages (S)
 - Woodworker (S)
- See also: **HAND TOOLS; MACHINE TOOLS**

CONSUMER EDUCATION

- Consumer Protection (S)
- Distributing America's Goods (S)
- Home Management: Buying Food (S)
- Meat and Romance (S)
- Meats with Approval (S)
- Wise Buying (S)

CONTAGIOUS DISEASES: See HEALTH AND DISEASE**COOKING**

- Cooking: Kitchen Safety (S)
 - Cooking: Measuring (S)
 - Cooking: Planning and Organization (S)
 - Cooking: Terms and What They Mean (S)
 - Culinary Carving (S)
 - Home Cookery of Fish (S)
 - Principles of Baking (S)
 - Principles of Cooking (S)
 - Quicker Than You Think (S)
 - Step-Saving Kitchens (S)
 - Vitamin-Wise (S)
- See also: **FOODS AND NUTRITION**

COOPERATIVE MARKETING: See AGRICULTURE, Agricultural Economics**COPPER: See MINERALS****CORN**

- Corn (X)
 - Corn Farmer, The (S)
 - New Soils for Old (X)
- See also: **AGRICULTURE, Soils and Crops**

COSTUMES: See CLOTH**COTTON**

- Cotton (S)
- Cotton — From Seed to Cloth (X)
- Cotton Goods (X)
- Cotton Growing (X)
- Making Cotton Clothing (S)

COURTESY: See SOCIAL AND PERSONAL BEHAVIOR

COWS: See **AGRICULTURE, Dairy Husbandry; DOMESTIC ANIMALS**

CRAFTS: See **ARTS AND CRAFTS**

CRIMINOLOGY

Criminal Is Born, A (S)

See also: **JUVENILE DELINQUENCY**

CROPS: See **AGRICULTURE, Soils and Crops**

CUB SCOUTS

Cub in the Den (S)

Cub in the Home (S)

Cub in the Pack (S)

CUBA

Cuba: The Land and Its People (S)

Wings to Cuba and the Caribbean (S)

CZECHOSLOVAKIA

Czechoslovakia (S)

Farms and Towns of Slovakia — Danube River (S)

DAIRY AND DAIRY PRODUCTS

Battling Brucellosis (S)

Cheese and Cheese Making (S)

Dairy Farm, The (S)

Dairy Industry (S)

Goats (S)

John Martin and Son (S)

Milk (S)

More Milk (S)

Our Foster Mother, the Cow (S)

Quality Milk Production (S)

We Make Butter (S)

DANCING: See **RECREATION; SOCIAL AND PERSONAL BEHAVIOR**

DATES

Dates (S)

DECLARATION OF INDEPENDENCE

Declaration of Independence (S)

DEMOCRACY: See **GOVERNMENT**

DENMARK

Denmark (X)

Scandinavia (S)

DESERTS: See **ARID REGIONS**

DIESEL

Diesel, the Modern Power (S)

Technical Films No. 1, 3, 4, 6, 12, and 14 (X)

See also: **ENGINES**

DIET: See **FOODS AND NUTRITION**

DIGESTION

Digestion (X)

Digestion of Foods (S)

Foods and Nutrition (S)

How the Fires of the Body Are Fed (X)

Human Digestion (S)

DISCOVERY

Age of Discovery: Spanish and Portuguese Explorations (S)

Balboa (X)

Cortez (S)

Discovery and Exploration (S)

DISEASE: See **HEALTH AND DISEASE**

DISPLACED PERSONS

Passport to Nowhere (S)

DODDER

Dodder, The (S)

DOGS

Canine Eyes for the Blind (S)

Man's Greatest Friend (S)

Out of the Heart (S)

Sandy Steps Out (S)

Seeing Eye, The (S)

Shep, the Farm Dog (S)

Wanted, a Master (S)

DOMESTIC ANIMALS

Animal Life (S)

Animals in Modern Life (S)

Animals in the Service of Man (S)

Cattle Driver (S)

Cattleman, The (S)

Control of Worms in Hogs (X)

Cow and Its Relatives (S)

Do Unto Animals (S)

Farm Animals (S)

Goats (S)

Horse and Its Relatives (S)

Horses and Bots (X)

Our Foster Mother, the Cow (S)

Pig and Its Relatives (S)

Pork on the Farm (S)

Shep, the Farm Dog (S)

Three Little Kittens (S)

See also: **AGRICULTURE, Animal Husbandry; ANIMALS**

DOMESTIC SCIENCE: See **HOME ECONOMICS**

DRAFTING

Auxiliary Views, I and II (S)
 Auxiliary Views, Double Auxiliaries (S)
 Auxiliary Views, Single Auxiliaries (S)
 Behind the Shop Drawing (S)
 Drafting Tips (S)
 Draftsman, The (S)
 Drawing (S)
 Drawing and the Shop (S)
 Elements of Design (S)
 Language of Drawing (S)
 Orthographic Projection (S)
 Principal Dimensions, Reference Surfaces, and Tolerance (S)
 Principles of Scale Drawing (S)
 Reading a 3-View Drawing (S)
 Sections (S)
 Sections and Conventions (S)
 Selection of Dimensions (S)
 Shape Description, I and II (S)
 Shop Procedures (S)
 Size Description (S)
 Visualizing an Object (S)

DRAMA

Adventures of Huckleberry Finn (S)
 Alice in Wonderland (S)
 Anna Karenina (S)
 Arrowsmith (S)
 Christmas Carol (S)
 David Copperfield, the Boy (S)
 David Copperfield, the Man (S)
 Driven Westward (Brigham Young) (S)
 Drums Along the Mohawk (S)
 Good Earth, The (S)
 Happiest Man on Earth, The (S)
 Heidi (S)
 House I Live In, The (S)
 House of the Seven Gables, The (S)
 Julius Caesar (S)
 Kidnapped (S)
 Lady or the Tiger (S)
 Les Miserables (S)
 Lucia di Lammermoor (S)
 Macbeth (S)
 Mark Antony of Rome (S)
 Master Will Shakespeare (S)
 Mutiny on the Bounty (S)
 Naughty Marietta (S)
 Peter Ibbetson (S)
 Pride and Prejudice (S)
 Romeo and Juliet (S)
 Showtime (S)
 Tale of Two Cities (S)
 Tell-Tale Heart (S)
 Treasure Island (S)
 See also: NOVELS

DUO-PIANO

Vronsky and Babin, I and II (S)

EARS

Ears and Hearing, The (S)
 Hear Better: Healthy Ears (S)
 How We Hear (S,X)
 Your Children's Ears (S)

EARTH: See GEOLOGY; ASTRONOMY**ECLIPSES**

Earth in Motion, The (S)
 Moon, The (S)
 See also: ASTRONOMY

ECONOMIC GEOGRAPHY

About Bananas (X)
 Alaska, Reservoir of Resources (S)
 Alaska's Salmon Fisheries (S)
 Alaska's Silver Millions (S)
 Animals in Modern Life (S)
 Arts and Crafts of Mexico (S)
 Behind the Cup (S)
 Brazil I and II (S)
 Brazilian Quartz Goes to War (S)
 Caravans of Trade (S)
 Chile (S)
 Corn Farmer (S)
 Cross-Section of Central America — Guatemala (S)
 Farmer-Fishermen — Norway (S)
 Fundo in Chile (S)
 Horsemen of the Pampas — Argentina (S)
 In Common Cause (S)
 Life in a Fishing Village (S)
 Life on a French Farm (S)
 Lobster-town (S)
 New England Fisherman (S)
 Ocala (S)
 Orange Grower (S)
 People of Western China (S)
 Peruvian Plateau (S)
 Petroleum and Its Uses (S)
 River, The (S)
 Rubber (X)
 Salt of the Earth (S)
 Shell Fishing (S)
 Shelter (S)
 Ship of the Desert (X)
 Southern Brazil (S)
 Sugar Cane (S)
 Sulphur (S,X)
 Truck Farmer (S)
 Wealth of the Andes (S)
 Yes, Bananas (S)
 See also: CONSERVATION; HUMAN GEOGRAPHY; MAPS; PHYSICAL GEOGRAPHY; WEATHER

ECONOMICS

Banks and Credit (S)
 Candle Making (S)
 Capitalism (S)
 Caravans of Trade (S)
 China Clay (S)
 Development of Communications (S)
 Development of Transportation (S)
 Distribution of America's Goods (S)
 Distribution of Foods (S)
 Family Life (S)
 Federal Taxation (S)
 Fred Meets a Bank (S)
 Industrial Revolution (S)
 Installment Buying (S)
 Lobster-town (S)
 Machine Maker (S)
 Mint, The (S)
 New York, Story of a City (S)
 Productivity: Key to Plenty (S)
 Property Taxation (S)
 Round Trip (S)
 Search for Security (S)
 Sign of Dependable Credit (S)
 Social Security (S)
 Tale in a Teacup (S)
 Three to Be Served (S)
 Triumph Without Drums (S)
 We Live in Two Worlds (S)
 What Is a Contract (S)
 What Is a Corporation (S)
 What Is Business (S)
 Work of the Stock Exchange (S)
 Writing Better Business Letters (S)
 Your Thrift Habits (S)
 See also: CONSERVATION

ECUADOR

This Is Ecuador (S)

EDUCATION

Aptitudes and Occupations (S)
 Changes in Group Atmosphere (X)
 Child and Field Forces, The (X)
 Children's Charter (S)
 Do Better on Your Examinations (S)
 Earning Money While Going to School (S)
 Education Is Good Business (S)
 Field Forces As Impediments to Performance (X)
 Fight for Better Schools, The (S)
 Frustrated Student, The (S)
 How to Develop Interest (S)
 How to Find the Answer — Mathematical Problem Solving (S)
 How to Get Cooperation (S)
 How to Judge Facts (S)
 How to Observe (S)
 How to Read a Book (S)

How to Remember (S)
 How to Study (S)
 How to Think (S)
 How to Write Your Term Paper (S)
 Human Beginnings (S)
 Importance of Goals (S)
 Improve Your Reading (S)
 Individual Differences (S)
 Instructional Films (S)
 It's All Yours (S)
 Know Your Library (S)
 Last Lesson, The (S)
 Learning to Understand Children, I and II (S)
 Lessons from the Air (S)
 Liberal Education (S)
 Maintaining Classroom Discipline (S)
 Making the Most of School (S)
 Maps are Fun (S)
 Near Home (S)
 Of Pups and Puzzles (S)
 School Days in Japan (S)
 School in Centerville (S)
 School in Cologne (S)
 Schools of Mexico (S)
 Schools to the South (S)
 Scottish Universities (S)
 Social Climate of Groups (X)
 Spelling Is Easy (S)
 Teaching Materials Center (S)
 Testing Intelligence With the Stanford-Binet (S)
 Time to Spare (S)
 Using the Classroom Film (S)
 We Discover the Dictionary (S)
 Willie and the Mouse (S)
 Young Uruguay (S)
 Youth Builds a Symphony (S)
 See also: MOTION PICTURES; VISUAL
 EDUCATION; TEACHING AND TEACHER
 TRAINING

EGGS

Eggs (S)
 Know the Eggs You Buy (S)
 See also: AGRICULTURE: Poultry

EGYPT

Egypt (X)
 Egypt — Kingdom of the Nile (S)

ELECTIONS

Democracy (S)
 Despotism (S)
 Gallup Poll (S)
 General Election (S)
 Public Opinion (S)
 You, the People (S)

ELECTRICITY: See PHYSICS

ELECTRONICS

Diode (S)
 Election (S)
 Principles of Gas Filled Tubes (S)
 Triode (S)
 Unseen Worlds (S)
 Vacuum Tube in Radio (S)

ELEMENTARY FILMS**Health, Safety, and Sports**

Bicycle Safety (S)
 Bicycling With Complete Safety (S)
 Bread (S)
 Care of the Skin (S)
 Care of the Teeth (X)
 Cleanliness and Health (S)
 Doctor, The (S)
 Exercise and Health (S)
 For Health and Happiness (S)
 Fun on the Playground (S)
 Fun that Builds Good Health (S)
 I Never Catch a Cold (S)
 It Doesn't Hurt (S)
 Joan Avoids a Cold (S)
 Kids Must Eat (S)
 Milk (S)
 Once Upon a Time (S)
 Our Foster Mother, the Cow (S)
 Pirro and the Blackboard (S)
 Posture (X)
 Safe Living at School (S)
 Something You Didn't Eat (S)
 Teeth, The (S)
 Ways to Good Habits (S)

Literature

Alice in Wonderland (S)
 Bean Stalk Jack (S)
 Hansel and Gretel (X)
 Jack and the Beanstalk (S)
 Three Fox Fables (S)

Mathematics

Addition Is Easy (S)
 Decimals Are Easy (S)
 Division Is Easy (S)
 Let's Count (S)
 Parts of Nine (S)
 Parts of Things (S)
 Subtraction Is Easy (S)
 Teen Numbers (S)

Science: Animal Life

Adventures of Bunny Rabbit (S)
 Adventures of Peter (X)
 Animal Babies (S)
 Animals in Modern Life (S)
 Animals in Winter (S)
 Animals of the Cat Tribe (X)

Animals of the Zoo (S)
 Animals Unlimited (S)
 Ants (X)
 Autumn on the Farm (S)
 Baby Beavers (X)
 Baby Songbirds at Mealtime (X)
 Beach and Sea Animals (S)
 Bears (X)
 Beavers (X)
 Beneath Our Feet (S)
 Beneath the Sea (S)
 Bird Homes (X)
 Birds in Winter (S)
 Birds of North America, I, II, III, IV, and V (X)
 Birds of Prey (S,X)
 Birds of the Countryside (S)
 Birds of the Dooryard (S)
 Birds of the Inland Waterways (S)
 Birds of the Marshes (S)
 Birds of the Seacoast (X)
 Birds of Woodlands (S)
 Black Bear Twins (S)
 Bobolink and Bluejay (S)
 Bre'r Rabbit and His Pals (X)
 Bushland Revels (S)
 Chucky Lou — Story of a Woodchuck (S)
 Circus Wakes Up, A (S)
 City of Wax (S)
 Common Animals of the Woods (S)
 Elephants (S)
 Farm Animals (S)
 Five Colorful Birds (S)
 Friends of the Air (S)
 Frog (S)
 Game Birds (X)
 Giants of the Jungle (S)
 Goats (S)
 Gray Squirrel (S)
 Grey Owl's Little Brother (S)
 Happy Hen and Her Chicks (X)
 Honeybees (S)
 Honeymaker (X)
 How Animals Eat (S)
 How Animals Move (S)
 How Birds Feed Their Young (X)
 How Nature Protects Animals (S)
 Know Your Birds (X)
 Let's Catch Reptiles (S)
 Let's Look at Animals (S)
 Let's Visit a Poultry Farm (S)
 Live Teddy Bears (S)
 Living Things Find a Home on Earth (X)
 Man's Greatest Friend (S)
 Monkeys and Apes (X)
 Moths (S)
 Pond Insects (S)
 Poultry on the Farm (S)
 Raccoon (X)
 Realm of the Wild (S)

Red-Winged Blackbird (S)
 Robin Redbreast (S)
 Rocky Mountain Mammals (X)
 Ruby-Throated Hummingbird (S)
 Sandy Steps Out (S)
 Sea, The (S)
 Seals and Walruses (X)
 Snapping Turtle (S)
 Some Friendly Birds (X)
 Some Larger Mammals (X)
 Some Seashore Animals (X)
 Some Water Insects (X)
 Songbirds of the North Woods (S)
 Spring on the Farm (S)
 Summer on the Farm (S)
 Sunfish (S)
 Teddy Bears at Play (S)
 Three Jungle Giants (X)
 Three Little Kittens (S)
 Thrushes and Relatives (S)
 Tiny Water Animals (S)
 Wading Birds (X)
 Water Birds (S)
 Winter on the Farm (S)
 Wood Thrush (S)
 Zoo, The (S)

Science: Earth

Air All Around Us (S)
 Death Valley (X)
 Earth and Its Seasons (S)
 Earth in Motion (S)
 How We Get Our Power (S)
 Light and Shadow (S)
 Pirro and the Magnet (S)
 Pirro and the Thermometer (S)
 Shore Deposits (X)
 Shore Lines and Shore Development (X)
 Spring on the Farm (S)
 Summer on the Farm (S)
 Water Works for Us (S)
 What Is Soil (S)
 What Makes Night and Day (S)
 Winter on the Farm (S)

Science: Plant Life

Flowers at Work (S)
 Fungus Plants (S)
 Plant Growth (S)
 Plant Traps (S)
 Seed Dispersal (S)
 Spring on the Farm (S)
 Summer on the Farm (S)
 Winter on the Farm (S)

Social Studies

Am I Trustworthy (S)
 Arteries of the City (S)
 Children's Airport Excursion (X)
 City Water Supply (S)

Conservation of Natural Resources (S)
 Dangerous Stranger (S)
 Day at the Fair (S)
 English Children (S)
 Hacienda Life (S)
 French Children (S)
 Ice Cream (S)
 Irish Children (S)
 Our Earth (S)
 People of Hawaii (S)
 Philippine Islands (X)
 Picturesque Poland (S)
 Pirro and the Telephone (S)
 Policeman, The (S)
 Problems in Housing (S)
 Punjab (X)
 Tugboats (S)
 Water Power (S)
 Wool (S)
 Your Family (S)

World Living Changes

Airliner, The (S)
 Airplane Changes the World Map (S)
 Airplane Trip, An (S)
 Airplanes (S)
 Animals in Modern Life (S)
 Arts and Crafts of Mexico (S)
 Building a Highway (S)
 Conservation of Natural Resources (S)
 Development of Transportation (S)
 How We Get Our Power (S)
 Man Against Microbe (S)
 Romance of Rubber (X)
 Rubber (X)
 Story of Elias Howe (S)
 Studies About Communication (X)
 Yesterday and Today (S)

See also films in general PRIMARY listing, and
 films under general subject classification desired

ELIAS HOWE

Story of Elias Howe (S)

EMBRYOLOGY

Development of the Bird Embryo (X)
 In the Beginning (S)
 Reproduction Among Mammals (S)
 See also: BIOLOGY; ZOOLOGY

EMOTIONS

Act Your Age (S)
 Control Your Emotions (S)
 Emotional Health (S)
 Understanding Your Emotions (S)

EMPLOYMENT: See ECONOMICS; VOCATIONS

ENDOCRINES

Endocrine Glands (S)

ENGINEERING

Chemistry and a Changing World (S)

Engineering (The Engineer) (S)

ENGINES (Gas, Oil, and Steam)

ABC of the Automobile Engine (S)

ABC of the Diesel Engine (S)

Automobile Lubrication (X)

Diesel, the Modern Power (S)

Free Air (S)

Fuels and Heat (S)

Long Road, The (S)

Lubrication (S)

Smooth Starts (S)

Steam Locomotive (S)

Story of a Storage Battery (X)

Technical Film No. 1, 3, 4, 6, 12, and 14 (X)

See also: OIL; RUBBER; SAFETY

ENGLAND: See BRITISH ISLES

ENGLISH LANGUAGE AND LITERATURE

American Spoken Here (S)

Build Your Vocabulary (S)

Charles Dickens: Background for His Works (S)

Describing an Incident (S)

Discussion in Democracy (S)

Do Words Ever Fool You? (S)

How to Read a Book (S)

Improve Your Pronunciation (S)

Improve Your Reading (S)

It's Fun to Read Books (S)

Julius Caesar (S)

Lady of the Lake — Background for Literature (S)

Let's Read Poetry (S)

Literature Appreciation: English Lyrics (S)

Macbeth (S)

Making Sense With Sentences (S)

Master Will Shakespeare (S)

Punctuation — Mark Your Meaning (S)

Spelling Is Easy (S)

Subject, Verb, Object (X)

Watch That Quotation (S)

Ways to Better Conversation (S)

We Discover the Dictionary (S)

Who Makes Words? (S)

Why Can't Jimmy Read? (S)

William Shakespeare: Background for His Works (S)

Writing Better Business Letters (S)

See also: DRAMA; NOVELS; STUDENT AIDS; LITERATURE

ENTOMOLOGY: See INSECTS

EROSION: See AGRICULTURE, Soils and Crops; CONSERVATION; GEOLOGY

ESKIMOS

Eskimo Children (S)

Eskimo Hunters — Northwestern Alaska (S)

Eskimos (Winter in Western Alaska) (S)

ETIQUETTE

Are You Popular? (S)

Dinner Party and Dinner Party Review (S)

Ways to Good Habits (S)

See also: SOCIAL AND PERSONAL BEHAVIOR

EUROPE

Factories, Mines and Waterways (S)

See also: Name of Country Desired

EXPLORATION

Cortez (X)

Discovery and Exploration (S)

Land of Liberty (S)

EYES

Canine Eyes for the Blind (S)

Eyes for Tomorrow (S)

Eyes, The (Advanced) (X)

How the Eye Functions (S)

How We See (X)

See Better: Healthy Eyes (S)

Seeing Eye, The (S)

Seeing How You See (X)

Your Children's Eyes (S)

FABLES

Hare and the Tortoise, The (S)

King Midas and the Golden Touch (S)

Little Red Hen (S)

Rumpelstiltskin (S)

Sleeping Beauty (S)

See also: CARTOONS

FAMILY RELATIONS

Appreciating Our Parents (S)

Baby Meets His Parents (S)

Baby Sitter (S)

Boy in Court (S)

Criminal Is Born (S)

Date With Your Family, A (S)

Families First (S)

Family Circles (S)

Family Life (S)

Friendship Begins at Home (S)

Make Way for Youth (S)

Obligations (S)

Salt of the Earth (S)

Sharing Work at Home (S)
 You and Your Family (S)
 You and Your Parents (S)
 Yours Truly, Ed Graham (S)

FAMINE

Suffer Little Children (S)

FARM ANIMALS: See DOMESTIC ANIMALS

FARM HOUSING

Better Farm Homes With Concrete (S)
 Home Place (S)

FARM MACHINERY: See AGRICULTURE, Agricultural Engineering

FEATURE FILMS: See DRAMA

FEET

Care of the Feet (S)
 Educated Feet (X)
 Feet (X)
 Posture and Exercise (S)

FERTILIZERS: See AGRICULTURE, Soils and Crops

FIELD CROPS: See AGRICULTURE, Soils and Crops

FINLAND

Finland (X)

FIRE

Before the Alarm (S)
 Cause for Alarm (S)
 Fire (S)
 Fire Prevention (X)
 Fire Protection (X)
 Fire Safety (X)
 Fireman (S)
 Frying Pan and the Fire (S)
 Men of Fire (S)
 More Dangerous Than Dynamite (S)
 Then It Happened (S)
 See also: CONSERVATION

FIRST AID

Before the Doctor Comes — Arm Fractures (S)
 Before the Doctor Comes — Artificial
 Respiration (S)
 Before the Doctor Comes — How to Control
 Bleeding (S)
 Before the Doctor Comes — Leg Fractures (S)

First Aid — Care of Minor Wounds (X)
 First Aid — Carrying the Injured (X)
 First Aid — Control of Bleeding (X)
 First Aid — Life Saving (X)
 First Steps in First Aid (S)
 Help Wanted (S)

FISH AND FISHING

Alaska, Reservoir of Resources (S)
 Alaska Tour (S)
 Alaska's Salmon Fisheries (S)
 Alaska's Silver Millions (S)
 Biography of a Fish (S)
 Famous Fish I Have Met (S)
 Farmer-Fishermen — Norway (S)
 Field Trip to a Fish Hatchery (S)
 Fishing Thrills (S)
 How a Fishing People Live (S)
 It's the Maine Sardine (S)
 Life in a Fishing Village (S)
 Life in an Aquarium (S)
 Lobstertown (S)
 New England Fisheries — Cod (X)
 New England Fisheries — Mackerel (X)
 New England Fishermen (S)
 Oysters (X)
 Pacific Coast Salmon (X)
 Rocky Mountain Trout (S)
 Salmon Story (S)
 Shell Fishing (S)
 Sunfish (S)
 These Fish Are Yours (S)
 Underwater Adventure (S)

FLAG

Flag Speaks, The (S)
 Flags on Duty (S)
 Our Country's Flag (S)
 Pledge of Allegiance (S)
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 Star Spangled Banner (S)
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 Story of the Star Spangled Banner (X)

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Flax (X)

FLIES

Housefly (S)
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FLOODS

Flood Weather (S)
 TVA (S)

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Dutch Tulip Girl (X)
 Flowers at Work (S)
 From Flower to Fruit (X)
 Growth of Flowers (S)
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See also: AGRICULTURE, Floriculture;
 BIOLOGY; GARDENING; PLANT LIFE

FOOD PRESERVATION

Community Canning (S)
 Curing Pork Country Style (S)
 Food (S)
 Freezing Fruits and Vegetables (S)
 Imprisoned Freshness (X)
 New Romance of Glass (S)
 Preserving Food (S)
 Principles of Home Canning (S)
 Saving the Garden Crop (S)

FOODS AND NUTRITION

About Bananas (X)
 Alaska's Silver Millions (S)
 Apples (From Seedling to Market) (S)
 Baby Care: Feeding (S)
 Behind the Cup (S,X)
 Brazil II (X)
 Carbon-Oxygen Cycle (X)
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 Community Canning (S)
 Dates (S)
 Digestion of Foods (S)
 Food and Growth (X)
 Food and Soil (S)
 Food for Thought (S)
 Food Series — Vitamin B₁ (X)
 Food Series — Vitamin D (X)
 Food That Builds Good Health (S)
 Foods — A Drink of Water (X)
 Foods — Bread and Cereals (X)
 Foods and Nutrition (S)
 Freezing Fruits and Vegetables (S)
 Fundamentals of Diet (S)
 Home Cookery of Fish (S)
 How to Pick Tomatoes (X)
 How the Fires of the Body are Fed (X)
 Ice Cream (S)
 Kids Must Eat (S)
 Main Dish, The (S)
 Meat and Romance (S)
 Meat for America (S)
 Meats With Approval (S)
 Milk (S)
 Orange Grower, The (S)
 Principles of Baking (S)
 Principles of Cooking (S)

Principles of Home Canning (S)
 Quality Milk Production (S)
 Quicker Than You Think (S)
 Something You Didn't Eat (S)
 Triumph Without Drums (S)
 Truck Farmer, The (S)
 Vitamin-Wise (S)
 What Makes Us Grow (S)
 Wheat To Bread (X)
 World of Plenty (S)
 Yes, Bananas (S)
 Your Children's Meals (S)

FOOTBALL: See SPORTS**FOREIGN LANGUAGE**

Bellum Punicum Secundum (S)
 Buenos Dias, Carmelita (S)
 Chants Populaires No. 1 (S)
 Chants Populaires No. 2 (S)
 Introductory Lesson in Spanish, An (S)
 La Familia Sanchez (Spanish Children in Spanish) (S)
 This Spanish Speaking World (S)
 Une Famille Bretonne (S)
 Why Study Foreign Language (S)

**FORESTRY: See AGRICULTURE, Forestry;
CONSERVATION; WOOD PRODUCTS****4-H CLUBS**

4-H Camping in Western Illinois (S)
 4-H Physical Fitness (S)
 4-H Swimming (S)
 4-H Tumbling (S)
 Keeping Fit (S)
 Truck Farmer (S)

FRANCE

Battle of France (S)
 Face Behind the Mask (S)
 Food for Paris Markets — France (S)
 France: Background for Literature (S)
 Freedom and Famine (S)
 French Children (S)
 King Without a Crown (S)
 Last Lesson, The (S)
 Les Miserables (S)
 Les Perles Du Djerid (S)
 Life in Paris (S)
 Life on a French Farm (S)
 Man on the Rock (S)
 Modern France: The Land and Its People (S)
 New France (S)
 Paris (X)
 Tale of Two Cities (S)
 Un Grand Verrier (S)

FRANKLIN DELANO ROOSEVELT

F.D.R. (S)

FREEDOM OF THE PRESS

Story That Couldn't Be Told (S)

FRENCH LANGUAGE

Les Perles Du Djerid (S)

Un Grand Verrier (S)

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FROGS

Frog (S)

Frogs, Toads, and Salamanders (X)

Life Cycle of the Frog (S)

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FUELS

Anthracite Coal (X)

Bituminous Coal (X)

Fuels and Heat (S)

Gas for Home and Industry (S)

Our Common Fuels (S)

Story of Coal (S)

FUNGI

Fungus Plants (S)

Stem Rust — Airborne Enemy of Grain (S)

FURNITURE

Furniture Craftsmen (S)

Furniture Making (X)

GALLUP POLL

Gallup Poll (S)

GARDENING

Farm Garden (S)

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Gardens for Victory (S)

Grow Your Own (S)

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GASOLINE

Gasoline's Amazing Molecules (S)

Long Road, The (S)

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**GENERAL SCIENCE: See Phase of Science
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Americans All (S)

Arizona — Its Mineral Resources and Scenic
Wonders (S)

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British Isles, The (S)

Buenos Aires and Montevideo (S)

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Celestial Navigation — The Earth (S)

Central America (S)

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Far Western States, The (S)

Flight over the Arctic (S)

Geography From the Air (S)

Geography of New England (S)

Global Concepts in Maps (S)

Highlands of the Andes — Peru (S)

Hill Towns of Guatemala (S)

Holiday Island (S)

Horsemen of the Pampas — Argentina (S)

Incas, The (S)

Industrial Provinces of Canada (S)

Italian Peninsula (S)

Latitude and Longitude (S)

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Mighty Columbia River (S)

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Northeastern States, The (S)

Northwestern States, The (S)

Oklahoma and Its Natural Resources (S)

Our Earth (S)

Pacific Coast (S)

Pacific: Discovery and Exploration (S)

Pacific Provinces of Canada (S)

Peruvian Plateau (S)

Prairie Provinces of Canada (S)

River, The (S)

Rivers of the Pacific Slope (S)

Roads South (S)

Seaports of the Pacific Coast (S)

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GEOGRAPHY (continued)

- Southern Brazil (S)
- Southwestern States, The (S)
- Trading Centers of the Pacific Coast (S)
- Unveiling Algeria (S)
- West Coast Mountains of Canada (X)
- West Indies, The (S)
- World We Live In, The (S)
- See also: CONSERVATION; ECONOMIC GEOGRAPHY; HUMAN GEOGRAPHY; MAPS; PHYSICAL GEOGRAPHY; WEATHER; REGIONAL GEOGRAPHY

GEOLOGY

- Alaska — Reservoir of Resources (S)
- Arizona — Its Mineral Resources and Scenic Wonders (S)
- Atmosphere and Its Circulation (S)
- Atmospheric Pressure (X)
- Birth of a Volcano (S)
- Common Salt (X)
- Earthquakes (X)
- Earth's Rocky Crust, The (S)
- Formation of Soil (X)
- Geological Work of Ice (S)
- Glacier Park Studies (S)
- Ground Water (S)
- Krakatoa (S)
- Let's Study Glacier National Park (X)
- Mountain Building (S)
- Niagara Falls (S)
- Ohio — Its Mineral Resources (S)
- Our Earth (S)
- Sand and Clay (X)
- Sculpture of the Land by Rivers (X)
- Shore Deposits (X)
- Shore Lines and Developments (X)
- Soil Resources (S)
- Sulphur (S,X)
- Thundering Waters (S)
- Tin from Malayan Jungles (S)
- Volcanoes (X)
- Wearing Away of the Land (S)
- What Is Soil (S)
- Work of Running Water (S)
- Work of the Atmosphere (S)
- Work of the Rivers (S)
- Work of Underground Water (X)
- World We Live In, The (S)
- See also: MINERALS; OIL; SOIL

GEOMETRY: See **MATHEMATICS****GEORGE WASHINGTON**

- Servant of the People (S)
- Sons of Liberty (S)

GERMANY

- Causes and Immediate Effects of the First World War (S)
- Geopolitik (S)
- Germany — Berlin (X)
- Germany — Industry (X)
- Germany — Rural Life (X)
- Germany Invades Austria (S,X)
- In Old Hessen (X)
- Noerdlingen (X)
- Rise and Fall of Nazi Germany (S)
- School in Cologne (S)
- Target — Berlin (S)
- These Are the Men (S)
- War in Europe (S,X)

GEYSERS

- Yellowstone Magic (X)
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GLACIERS

- Geological Work of Ice (S)
- Secret of the Fjord (S)
- Wearing Away of the Land (S)

GLANDS

- Body Defenses Against Disease (S)
- Digestion of Foods (S)
- Endocrine Glands (S)
- Nervous System, The (S)
- They Live Again (S)
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See also: **HUMAN BIOLOGY**

GLASS

- Arts and Crafts of Mexico (S)
- Behavior of Light (X)
- Lenses (X)
- Light Waves and Their Uses (S)
- Making Glass for Houses (S)
- New Romance of Glass (S)
- Optical Instruments (X)
- Sand and Clay (X)
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GOATS

- Goats (S)
- Rocky Mountain Mammals (X)
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GOLD

- Gold (X)
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- See also: **MINERALS**

GOVERNMENT

Ancient Rome (S)
 Archives, The (S)
 Communism (S)
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 Day In Congress, A (S)
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 How We Elect Our Representatives (S)
 Inside the Capitol (S)
 Inside the Library of Congress (S)
 Inside the White House (S)
 It's Your America (S)
 Make Mine Freedom (S)
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 Mint, The (S)
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 Objective Security (S)
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GOVERNMENT AGENCIES

At Your Command (S)
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GRASS AND GRAZING

Blessings of Grass (S)
 Cattleman, The (S)
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GREECE

Greece (S)
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GROWTH: See AGRICULTURE; ANIMALS;
 BIOLOGY; CELLS; EMBRYOLOGY; FOODS
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GUATEMALA

Behind the Cup (S)
 Cross Section of Central America — Guatemala (S)
 Hill Towns of Guatemala (S)
 Wings to Mexico and Guatemala (S)
 Wooden Faces of Totonicapan (S)

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 Hacksaw, The (S)
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 Hand Sawing (S)
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 Metal Craft (S)
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 Safe Use of Tools (S)
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HANDICRAFTS: See ARTS AND CRAFTS

HANDWRITING

Improve Your Handwriting (S)

HARPS

Mildred Dilling, Harpist (S)

HAWAII

Aloha (S)
 49th State (S)
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HEALTH AND DISEASE

About Faces (S)
 Advent of Anesthesia (X)
 Alcohol and the Human Body (S)
 Angel of Mercy (S)
 Attitudes and Health (S)
 Bathing the Patient (S)
 Before the Doctor Comes — Arm Fractures (S)
 Before the Doctor Comes — Artificial
 Respiration (S)
 Before the Doctor Comes — How to Control
 Bleeding (S)
 Before the Doctor Comes — Leg Fractures (S)
 Body Care and Grooming (S)
 Body Defenses Against Disease (S)
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Care of Feet (S)
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 Child Care — Bathing the Infant (X)
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 Child and Field Forces, The (X)
 Choose to Live (S)
 City of the Sick (S)
 City Water Supply (S)
 Cleanliness and Health (S)
 Cleanliness — Bathing (X)
 Cleanliness — Clean Clothes (X)
 Cleanliness — Clean Face and Hands (X)
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 Common Cold, The (S)
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 Eyes, The (Advanced) (X)
 Eyes and Their Care (S)
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 Field Forces as Impediments to Performance (X)
 First Aid — Care of Minor Wounds (X)
 First Aid — Carrying the Injured (X)
 First Aid — Control of Bleeding (X)
 First Aid — Life Saving and Resuscitation (X)
 First Aid for Wounds and Fractures (S)
 Food and Growth (X)
 Food Series — Vitamin B₁ (X)
 Food Series — Vitamin D (X)
 Foods — A Drink of Water (X)
 Foods — Bread and Cereals (X)
 Foods — Fruits and Vegetables (X)
 For Health and Happiness (S)
 Fundamentals of Diet (S)
 Fun That Builds Good Health (S)
 Heart and Circulation (S)
 Home Nursing (S)
 Housefly, The (S,X)
 How Teeth Grow (X)
 How the Eyes Function (S)
 How the Fires of the Body Are Fed (X)
 How to Avoid Muscle Strain (S)
 How to Be Well Groomed (S)
 How We Hear (S)
 Human Growth (S)
 I Never Catch Cold (S)
 Immunization (S)
 Improve Your Posture (S)
 It Doesn't Hurt (S)
 Joan Avoids a Cold (S)
 Kids Must Eat (S)
 Let's Have Fewer Colds (S)
 Let's Open Our Eyes (S)
 Life Cycle of the Diphyllobathrium Latum (X)
 Life Cycle of Trichinella Spiralis (X)

Life History of the Yellow Fever Mosquito (X)
 Little Brother and Sister (X)
 Magic Alphabet (S)
 Man Against Microbe (S)
 Modern Guide to Health (S)
 Mosquito — the Public Enemy (S)
 New Frontiers of Medicine (S)
 Nose, Throat, and Ears (S)
 Nursing (S)
 One Against the World (S)
 Our Teeth (S)
 Pneumonia (S)
 Posture (X)
 Posture and Exercise (S)
 Posture Habits (S)
 Problem Drinkers (S)
 Purifying Water (X)
 Rest and Health (S)
 Rhythmic Exercises (S)
 Seeing How You See (X)
 Sewage Disposal (X)
 Silent War (S)
 Skin (X)
 Sleep for Health (S)
 Social Climate of Groups (X)
 Stop Silicosis (S)
 Story of Dr. Jenner (S)
 Survival of the Fittest (S)
 Teeth, The (S)
 That Mothers Might Live (S)
 Three Counties Against Syphilis (S)
 Triumph Without Drums (S)
 Tuberculosis, Its Diagnosis, Treatment, and Control (S)
 Tuberculosis and How It May Be Avoided (X)
 Wartime Nutrition (S)
 Wastage of Human Resources (S)
 Water, Friend or Enemy (S)
 Ways to Good Habits (S)
 What Makes Us Grow (S)
 Winged Scourge (S)
 Your Children's Ears (S)
 Your Children's Eyes (S)
 Your Children's Meals (S)
 Your Children's Sleep (S)
 Your Children's Teeth (S)
 Your Friend, the Doctor (S)
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HEARING

Fundamentals of Acoustics (S)
 How We Hear (S)

HEART

Circulation (X)
 Circulatory Control (X)
 Heart and Circulation (S)

HEAT

- Anthracite Coal (X)
- Asbestos (X)
- Bituminous Coal (X)
- Distributing Heat Energy (S)
- Energy From Sunlight (X)
- Fuels and Heat (S)
- Heat and Its Control (S)
- Heating and Air Conditioning (S)
- Hot Air Heating (X)
- Principles of Refrigeration (S)
- Story of Coal (S)
- Story of Rock Wool Insulation (S)
- Thermodynamics (S)
- Things Expand When Heated (S)
- Transfer of Heat (S)

HEREDITY

- Heredity (S)
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HIGHWAYS: See ROADS; SAFETY

HISTORY: See Names of Country or WORLD HISTORY

HOGS: See DOMESTIC ANIMALS

HOLLAND

- Bells of Holland (S)
- Children of Holland (S)
- Dutch East Indies (X)
- Dutch Tradition (S)
- Dutch Tulip Girl (X)
- Land Behind the Dikes — Holland (S)
- Life in Lowlands — Netherlands (S)
- New Earth (S)
- Stories of Holland: Background for Reading (S)

HOME ECONOMICS: See CHILD CARE AND DEVELOPMENT; CLOTHING AND TEXTILES; CONSUMER EDUCATION; COOKING; FOOD PRESERVATION; HEALTH AND DISEASE; HOME MANAGEMENT; HOME NURSING; HOUSING; SAFETY

HOME MANAGEMENT

- Family Life (S)
- Home Management: Why Budget (S)
- Step-Saving Kitchen, A (S)
- Your Family Budget (S)

HOME NURSING

- Home Nursing (S)
- See also: FIRST AID

HOME RELATIONS: See FAMILY RELATIONS

HONESTY

- Am I Trustworthy (S)
- How Honest Are You? (S)

HONEYBEES: See BEES

HOUSEFLY

- Housefly (S,X)

HOUSING

- Belo Horizonte (S)
- Building America's Houses (S)
- Home Place (S)
- Housing in Chile (S)
- Live at Home (S)
- Making Bricks for Houses (S)
- Making Glass for Houses (S)
- Problems of Housing (S)
- Shelter (S)

HUMAN BIOLOGY

- Alimentary Tract (S)
- Blood (X)
- Body Defenses Against Disease (S)
- Control of Body Temperatures (S)
- Digestion of Foods (S)
- Endocrine Glands (S)
- Eyes and Their Care (S)
- Foods and Nutrition (S)
- Heart and Circulation (S)
- Human Growth (S)
- Human Reproduction (S)
- In the Beginning (S)
- Mechanisms of Breathing (S)
- Nervous System (S)
- Nose, Throat, and Ears (S)
- Posture and Exercise (S)
- Reproduction Among Mammals (S)
- Work of the Kidneys (S)
- See also: FOODS AND NUTRITION; HEALTH AND DISEASE

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Africa

- Backward Civilization, A (S)
- Egypt, Kingdom of the Nile (S)
- Here Is the Gold Coast (S)
- How the Desert People Live (S)
- Life in the Sahara (X)
- People of the Congo (S)
- Pygmies of Africa (S)
- Ship of the Desert (X)
- Wanderers of the Arabian Desert (X)
- Watussi of Africa (S)

HUMAN GEOGRAPHY (continued)**Arctic**

- Eskimo Children (S)
- How to Build an Igloo (S)
- Life in the Antarctic (S)
- People of the Arctic (S)

Asia

- How a Hunting People Live (S)
- How the Desert People Live (S)
- Malay Peninsula (S)
- Nomads of the Jungle — Malaya (S)
- People of Western China (S)
- Tropical Mountain Land — Java (S)
- Voice of Malaya (S)
- What Is China? (S)

Australia

- Australia (S)
- Golden Fleece (S)

Central America

- Cross-Section of Central America — Guatemala (S)

Europe

- Farmer-Fishermen — Norway (S)
- Life in a Fishing Village (S)
- New Earth (S)
- Picturesque Poland (S)
- Poland (X)
- Turkey (S)

Mexico

- Arts and Crafts of Mexico (S)
- Day Is New (S)
- Land of Mexico (S)
- Land of the Aztecs (S)
- Mexican Children (S)
- People of Mexico (S)
- Schools of Mexico (S)
- Tehuantepec (S)

Pacific Islands

- Bali (X)
- Dutch Tradition (S)
- 49th State (Hawaii) (S)
- How a Fishing People Live (S)
- Malays of Sumatra, The (X)
- Modern Hawaii (S)
- People of Hawaii (S)
- Tropical Mountain Land — Java (S)
- Voice of Malaya (S)

South America

- Americans All (S)
- Belo Horizonte (S)
- Chile (S)
- Fundo in Chile (S)
- High Plain (S)

- Housing in Chile (S)
- Incas, The (S)
- La Paz (S)
- Lima (S)
- Lima Family (S)
- Paraguay (S)
- Peru (S,X)
- Peru (OIAA) (S)
- Sau Paulo (S)
- Schools to the South (S)
- South Chile (S)
- Southern Brazil (S)
- Southern Chile (S)
- This Is Ecuador (S)
- Tin From Bolivia (S)
- Uruguay (S)
- Wings Over Brazil (S)
- Young Uruguay (S)

HUMAN RELATIONS

- Human Beginnings (S)
- Individual Differences (S)
- Passport to Nowhere (S)
- Role Playing in Human Relations (S)

HUMANE TREATMENT OF ANIMALS

- Animals in the Service of Man (S)
- Care of Pets (S)
- Do Unto Animals (S)
- Out of the Heart (S)
- Wanted a Master (S)

HUNGARY

- Hungary (X)

HUNTING: See SPORTS**HYDRAULICS**

- Hydraulics (S)

HYDROELECTRIC POWER

- Energy in Our Rivers (S)
- Power and the Land (S)
- TVA (S)
- Water Power (S)

HYGIENE: See HEALTH AND DISEASE**ICE**

- Geological Work of Ice (S)
- Principles of Refrigeration (S)
- Refrigeration (X)
- Wearing Away of the Land (S)

IGNITION

- Current Flashes (S)
- Down the Gasoline Trail (S)

Fire Control (S)
 Hot-Head, The (S)
 Story of a Spark Plug (S)
 Story of a Storage Battery (X)
 Technical Film No. 14 (X)

ILLINOIS

Farm Life in Wartime (S)
 Illinois Football Highlights — 1943 (S)
 Illinois Marches On (X)
 See also: UNIVERSITY OF ILLINOIS

INDIA

Farmers of India — Middle Ganges Valley (S)
 Hyderabad, India (X)
 India (S)
 Mysore and Ceylon (S)
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INDIANS

Apache Indians (S)
 Arid Southwest, The (X)
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 Hopi Arts and Crafts (S)
 Hopi Indian (S)
 Incas, The (S)
 Indian Hunters (S)
 Little Indian Weaver (X)
 Loon's Necklace, The (S)
 Mexico of the Indians (X)
 Miracle on the Mesa (S)
 Navajo Children (S)
 Navajo Indians (S)
 Navajo Indians — Home Life (X)
 Navajo Indians — Rug Weaving (X)
 Navajo Sand Painting (S)
 Painting with Sand: Navajo Ceremony (S)
 Pueblo Dwellers (X)
 Pueblo Heritage (S)
 Seminoles of the Everglades (S)
 Supai Indians (S)
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INDUSTRIAL ARTS: See HAND TOOLS; MACHINE TOOLS

INDUSTRIAL MANAGEMENT

Each for All (S)
 Every Minute Counts (S)
 Improving the Job (S)
 Instructing the Worker on the Job (S)
 Introducing the New Worker to His Job (S)
 It's Our Job (S)
 Maintaining Good Working Conditions (S)
 Maintaining Quality Standards (S)
 Maintaining Worker's Interest (S)

New Supervisor Takes a Look at His Job (S)
 Placing the Right Man On the Job (S)
 Planning and Laying Out Work (S)
 Supervising Women Workers (S)
 Supervising Workers on the Job (S)
 Supervisor as a Leader, I and II (S)

INDUSTRIAL PROCESSES

Alloy Steel (S)
 Asbestos (X)
 Automobile (X)
 Beet and Cane Sugar (X)
 Behind the Cup (S,X)
 Bells of Holland (S)
 Brick Pavements (S)
 Chile's Copper (S)
 China Clay (S)
 Coal From New Zealand's Alps (S)
 Construction of a Light Airplane (S)
 Copper Mining in Arizona (X)
 Copper Refining (X)
 Copper Smelting (X)
 Dairy Industry (S)
 Drama of Steel (S)
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 - Pride and Prejudice (S)
 - Tale of Two Cities (S)
- See also: **DRAMA**

NURSERIES

- Care of Children of Working Mothers (S)

NURSING

- Bathing the Patient (S)
 - Home Nursing (S)
 - Nurse, The (S)
 - Nursing (S)
 - Reward Unlimited (S)
- See also: **FIRST AID; HEALTH AND DISEASE; HUMAN BIOLOGY**

NUTRITION: See **FOODS AND NUTRITION**

OCEANIA: See **PACIFIC ISLANDS**

OHIO

- Ohio — Its Mineral Resources (S)
- Ohio State Travelogs:
 - Big Bottom Park (S)
 - Bridges, Lakes, and Monuments (S)
 - Buckeye Lake Region (S)
 - Cincinnati to Pittsburgh (S)

- City of Cincinnati (S)
- City of Cleveland (S)
- Hocking Cave Region (S)
- Mohican Forest Park (S)
- Ohio River (S)
- Put-in-Bay (S)

OIL

- Battle for Oil (S)
- Birth of an Oil Field (S)
- Evolution of Oil (X)
- Evolution of the Oil Industry (S)
- Lubricating Oil's Amazing Molecules (S)
- Lubrication (S)
- Oil (S)
- Oil for Aladdin's Lamp (S)
- Petroleum (S)
- Petroleum and Its Uses (S)
- Producing Crude Oil (X)
- Prospecting for Petroleum (S)
- Refining Crude Oil (X)
- Refining Oil for Energy (S)
- Russia — Industry (X)
- Story of Gasoline (S)
- Story of Lubricating Oil (S)
- 10,000 Feet Deep (S)

OLYMPICS: See **SPORTS**

ORANGES

- Orange Grower, The (S)
- Weather Wizards (S)

ORCHESTRA: See **MUSIC**

OREGON

- Oregon Country (X)

ORTHOGRAPHIC PROJECTION:

See **DRAFTING**

OSMOSIS

- Roots of Plants (S)

OXIDATION AND OXYGEN

- Free Air (S)
- Oxidation and Reduction (S)
- Oxygen (S)

OYSTERS

- Oysters (X)

PACIFIC ISLANDS: See **HUMAN GEOGRAPHY: Pacific Islands**

PACIFIC NORTHWEST

- Far Western States (S)
- Natural Resources of Pacific Coast (S)

Pacific Coast (S)
 Rivers of the Pacific Slope (S)
 Seaports of the Pacific Coast (S)
 Trading Centers of the Pacific Coast (S)

PAINTING

Care of Art Materials (S)
 Creation of a Portrait (S)
 Painting: Learning to Mix Colors (S)
 Painting: Solid Forms (S)
 Painting and Decorating (S)
 Painting Reflections in Water (S)
 Painting with Sand: Navajo Ceremony (S)
 Repainting a Frame Building (S)
 Water Colors in Action (S)

PALESTINE

Jordan Valley (S)
 Middle East — Israel (S)
 Palestine (S)
 Paths to Palestine (S)
 Pilgrimage Through Palestine, A (S)

PAN-AMERICAN FILMS: See **CENTRAL AMERICA, SOUTH AMERICA, or name of country**

PANAMA

Building the Panama Canal (S)
 Panama (S)
 Panama, Cross-Roads of the Western World (S)
 Panama Canal (X)

PAPER

Gift of Tsai Lun — Paper (S)
 Making a Book (X)
 Paper (S)
 Paper Making (S)
 Science and Wood Utilization (S)
 Tree to Newspaper (X)
 Trees to Tribunes (S)

PARAFFIN WAX

Refining Crude Oil (X)

PARAGUAY

Paraguay (S)

PARASITES

Dodder, The (S)
 Life Cycle of the *Diphyllabathrium Latum* (X)
 Life Cycle of the *Trichinella Spiralis* (X)

PARASITIC PLANTS

Dodder, The (S)

PARENT EDUCATION: See **Family Relations**

PARIS: See **CITIES**

PARKS AND MONUMENTS: See **NATIONAL PARKS**

PASTEUR

Man's Greatest Friend (S)

PASTURES

Blessings of Grass (S)
 Greener Pastures (S)

PATROL BOYS: See **SCHOOL BOY PATROL**

PEACE: See **INTERNATIONAL UNDERSTANDING**

PEOPLE OF OTHER LANDS

Cross-Section of Central America — Guatemala (S)
 Farmer-Fishermen — Norway (S)
 Japanese Family (S)
 Life in Lowlands — The Netherlands (S)
 Life on a French Farm (S)
 Nomads of the Jungle — Malaya (S)
 Peiping Family (S)
 People of Hawaii (S)
 People of Mexico (S)
 People of the Congo (S)
 People of Western China (S)
 Riches of the Veldt (S)
 Sampan Family (S)
 Spain: The Land and the People (S)
 Tropical Mountain Land — Java (S)
 See also: **CHILDREN OF OTHER LANDS; HUMAN GEOGRAPHY**

PERU

Lima (S)
 Lima Family (S)
 People of Peru (S)
 Peru (S,X)
 Peruvian Plateau (S)
 Plantation in Peru (S)
 Wealth of the Andes (S)

PESTS

Aphids (S)
 Beetles (S)
 Block That Termite (S)
 Cicada (S)
 Control of Worms in Hogs (X)
 Horses and Bots (X)
 Housefly (S)
 Mosquito — The Public Enemy (S)
 Winged Scourge (S)

PETROLEUM: See **OIL**

PETS

- Care of Pets (S)
- Fluffy, the Kitten (X)
- Out of the Heart (S)
- Shep, the Farm Dog (S)
- Three Little Kittens (S)
- Wanted a Master (S)

PHILIPPINE ISLANDS

- Nation Is Born (S)
- Philippine Republic (S)

PHOTOGRAPHY

- Camera Magic (X)
- Heights and Depths (S)
- Highlights and Shadows (S)
- How You See It (S)
- Modern Lithographer (S)
- Photo-Frenzy (S)
- Photography (S)
- Photography Fights (S)
- Spot News (S)
- Your Movie Camera and How To Use It (S)

PHOTOSYNTHESIS

- Green Plant, The (X)
- Leaves (S)

PHYSICAL EDUCATION

- Fit to Win (S)
- Gymnastics (S)
- Keeping Fit (S,X)
- Rest and Health (S)
- See also: SPORTS

PHYSICAL GEOGRAPHY

- Earth in Motion (S)
- Earth's Rocky Crust (S)
- Our Earth (S)
- See also: CONSERVATION; ECONOMIC GEOGRAPHY; GEOLOGY; HUMAN GEOGRAPHY; MAPS; WEATHER

PHYSICS

- Gravity (S)
- Introduction to Physics (S)
- Physics Demonstrations—Set 1 (S)
- See also: CHEMISTRY; ENGINES; RADIO AND TELEVISION

Atom

- Atomic Energy (S)
- Atomic Physics (S)
- Atomic Power (S)
- Nature of Energy (S)
- One World or None (S)

Electricity

- Electro-magnets (S)
- Electrostatics (S)
- Elements of Electrical Circuits (S)
- Energy in Our Rivers (S)
- Exploring with X-ray (S)
- Flow of Electricity (S)
- Heat and Light from Electricity (X)
- Home Electrical Appliances (S)
- Induced Currents (X)
- Introduction to Electricity (S)
- Light and Power (S)
- Magnetic Effect of Electricity (X)
- Magnetism (S)
- Magnets (S)
- Making Electricity (S)
- Measurement of Electricity (S)
- Nature of Energy (S)
- Primary Cell (S)
- Receiving Radio Messages (S)
- Series and Parallel Circuits (S)
- Thunder and Lightning (S)
- Vacuum Tube in Radio (S)
- Water Power (X)

Heat

- Acrology — Thunderstorms (S)
- Distributing Heat Energy (S)
- Four Stroke Cycle Gas Engine (X)
- Fuels and Heat (S)
- Heat and Its Control (S)
- Heat and Light from Electricity (X)
- Hot Air Heating (X)
- Mirage (X)
- Principles of Refrigeration (S)
- Thermodynamics (S)
- Things Expand When Heated (S)
- Transfer of Heat (S)

Light

- Behavior of Light (X)
- Energy from Sunlight (S)
- Illumination (X)
- Light and Power (S)
- Light and Shadow (S)
- Light Waves and Their Uses (S)
- Nature of Color (S)
- Nature of Light (S)
- Optical Instruments (X)

Mechanics

- Aerodynamics — Air Flow (S)
- Aerodynamics — Problems of Flight (S)
- Aerodynamics — Theory of Flight (S)
- Air in Action (S)
- Airplane Radio Antennas (S)
- Compressed Air (X)
- Energy and Its Transformations (S)
- Force and Motion (S)

Friction (S)
 Hydraulics (S)
 Machines Do Work (S)
 Mechanics of Liquids (X)
 Principles of Flight (X)
 Principles of Refrigeration (S)
 Refrigeration (X)
 Simple Machines (S,X)
 Smoke Streams (X)
 Steam Power (X)

Sound

Earthquakes (S,X)
 Fundamentals of Acoustics (S)
 Nature of Sound (S)
 Sound Recordings and Reproduction (S)
 Sound Waves and Their Sources (S)
 What Is Sound (S)

PHYSIOLOGY: See **ANATOMY; HEALTH AND DISEASE; HUMAN BIOLOGY**

PIANO

Jose Iturbi, Pianist (S)
 Myra Hess (S)
 Vronsky and Babin, I and II (S)

PIGS: See **AGRICULTURE, Animal Husbandry; DOMESTIC ANIMALS; SWINE**

PIONEER DAYS

Boone Trail (X)
 Candle Making (S)
 Flatboatmen of the Frontier (S)
 Kentucky Pioneer (S)
 Land of Liberty (S)
 Oregon Country (X)
 Overland to California (X)
 Pioneer Home, A (S)
 Pioneers of the Plains (S)
 Pony Express (S)
 Westward Movement (S)
 See also: **COLONIAL LIFE**

PLANETS

Earth in Motion (S)
 Exploring the Universe (S)
 Solar Family (S)

PLANT LIFE

Dodder, The (S)
 Flowers at Work (S)
 From Flower to Fruit (X)
 Fungus Plants (S)
 Gift of Green (S)
 Green Plant, The (X)
 Growth of Flowers (S)

Leaves (S)
 Life in a Drop of Water (S)
 Life of a Plant (S)
 Living Things Find a Home on Earth (X)
 Plant Growth (S)
 Plant Speaks Through Deficiency Symptoms (S)
 Plant Speaks Through Leaf Analysis (S)
 Plant Speaks Through Soil Tests (S)
 Plant Speaks Through Tissue Tests (S)
 Plant Traps (S)
 Roots of Plants (S)
 Seed Dispersal (S)
 Sensitivity of Plants (S)
 See also: **GARDENING**

PLASTIC ARTS: See **ARTS AND CRAFTS**

PLASTICS

Science and Agriculture (S)

PNEUMONIA

Pneumonia (S)

POETRY

Lady of the Lake — Background for Literature (S)
 Let's Read Poetry (S)
 Literature Appreciation: English Lyrics (S)

POLAND

Greenie, The (S)
 Picturesque Poland (S)
 Poland (X)
 Poland Forever (S)

POLITICS

Democracy (S)
 Despotism (S)
 Gallup Poll (S)
 Political Parties (S)
 Politics and Civil Service (S)
 Public Opinion (S)
 You, the People (S)

POLLINATION

From Flower to Fruit (X)
 Flowers at Work (S)

POND LIFE

Pond Insects (S)
 Snapping Turtles (S)

PONY EXPRESS

Overland to California (X)
 Pony Express (S)

PORK: See **AGRICULTURE, Animal Husbandry; DOMESTIC ANIMALS**

PORTUGAL

- Iberian Peninsula (Spain and Portugal) (S)
- Portugal (S)

POSSESSIONS OF THE UNITED STATES

- Alaska — A Modern Frontier (S)
- Alaska — Reservoir of Resources (S)
- 49th State (S)
- Territorial Expansion of the U.S. (S)
- Territorial Possessions of the U.S. (S)

POST OFFICE

- Letter to Grandmother (S)
- Mailman, The (S)
- Post Office (X)
- Your Postal Service (S)
- See also: MAIL

POTTERY

- ABC of Pottery Making (X)
- Arts and Crafts of Mexico (S)
- Colour in Clay (S)
- Pottery Making (S)
- Tableware (X)

POULTRY: See AGRICULTURE, Poultry

POWER

- How We Get Our Power (S)

PREHISTORIC ANIMALS

- Lost World, A (S)

PRIMARY FILMS

- Addition Is Easy (S)
- Adventures of Bunny Rabbit (S)
- Adventures of Peter (X)
- Adventuring Pups (S)
- Air All Around Us (S)
- Airplane Trip (S)
- Airplanes and How They Fly (S)
- Alice in Wonderland (S,X)
- Animals Growing Up (S)
- Animals of the Zoo (S)
- Apples (From Seedling to Market) (S)
- Appreciating Our Parents (S)
- Arithmetic For Beginners (S)
- Autumn on the Farm (S)
- Baby Animals (S)
- Baby Beavers (X)
- Baby Songbirds at Mealtime (X)
- Bean Stalk Jack (S)
- Bear and Its Relatives (S)
- Bears (X)
- Beavers (X)
- Beginning Responsibility: Taking Care of Things (S)

- Benjamin Franklin (X)
- Between the Lines (X)
- Birds in Winter (S)
- Black Bear Twins (S)
- Boat Trip (S)
- Bread (S)
- Bre'r Rabbit and His Pals (X)
- Briar Rose (S)
- Building a Highway (S)
- Bus Driver (S)
- Care of Art Materials (S)
- Care of Pets (S)
- Children of China (S)
- Children of Holland (S)
- Children of Switzerland (S)
- Children's Airport Excursion (X)
- Chimp, the Aviator (X)
- Chimp's Jamboree (X)
- Chimp's Vacation (S,X)
- Christmas Toy Shop (X)
- Chuckey Lou, Story of a Woodchuck (S)
- Circus Day in Our Town (S)
- City Fire Fighters (S)
- Classroom Quiz (S)
- Cleanliness and Health (S)
- Cleanliness — Bathing (X)
- Cleanliness — Clean Clothes (X)
- Cleanliness — Clean Face and Hands (X)
- Cleanliness — Keeping Hair Clean (X)
- Colonial Children (S)
- Common Animals of the Woods (S)
- Cotton (S)
- Cow and Its Relatives (S)
- Dairy Farm, The (S)
- Daniel Webster (X)
- Day at the Fair (S)
- Deer and Its Relatives (S)
- Doctor, The (S)
- Do You Walk Safely (X)
- Drawing (S)
- Dutch Tulip Girl (X)
- Elephants (S)
- Farm (X)
- Farm Animals (S)
- Fireman, The (S)
- Fluffy, the Kitten (X)
- Food and Growth (X)
- Food Store (S)
- Foods — A Drink of Water (X)
- Foods — Bread and Cereals (X)
- Foods — Fruits and Vegetables (X)
- French-Canadian Children (S)
- French Children (S)
- Frisky, The Calf (S)
- Fun on the Playground (S)
- Fun That Builds Good Health (S)
- Giants of the Jungle (S)
- Goats (S)

Gray Squirrel (S)
 Grey Owl's Little Brother (S)
 Hacienda Life (S)
 Hansel and Gretel (X)
 Happy Hen and Her Chicks (X)
 Hare and the Tortoise, The (S)
 Hear Better: Healthy Ears (S)
 Here Comes the Circus (X)
 Horse and Its Relatives (S)
 How We Get Our Power (S)
 Ice Cream (S)
 Insect Zoo (S)
 Irish Children (S)
 It Doesn't Hurt (S)
 Jack and the Bean Stalk (S)
 Joan Avoids a Cold (S)
 Let's Count (S)
 Let's Visit a Poultry Farm (S)
 Letter to Grandmother (S)
 Life in an Aquarium (S)
 Light and Shadow (S)
 Little Indian Weaver (X)
 Little Red Hen (S)
 Little Red Ridinghood (S)
 Live Teddy Bears (S)
 Lost Chick (S)
 Merry Christmas (S,X)
 Mexican Children (S)
 Milk (S)
 Monkeys and Apes (X)
 Mother Duck's Surprise (S)
 Navajo Children (S)
 Navajo Indians (S)
 Our Animal Neighbors (S)
 Our Country's Flag (S)
 Our Foster Mother, the Cow (S)
 Parties Are Fun (S)
 Parts of Nine (S)
 Parts of Things (S)
 Passenger Train (S)
 Patrol Protection (X)
 Pig and Its Relatives (S)
 Pigs and Elephants (S)
 Pirro and the Blackboard (S)
 Pirro and the Magnet (S)
 Play in the Snow (S)
 Playground Safety (S)
 Policeman (S)
 Post Office (X)
 Poultry on the Farm (S)
 Raccoon (X)
 Rikki, the Baby Monkey (S)
 Robin Redbreast (S)
 Safe Living at School (S)
 Safe Use of Tools (S)
 Safety at Play (X)
 Safety To and From School (S)

Sandy Steps Out (S)
 Santa in Animal Land (S)
 Sawdust Sidelights (S)
 Seals and Walruses (X)
 See Better: Healthy Eyes (S)
 Seeing Eye (S)
 Seven Little Ducks (S)
 Sheep Dog (S)
 Shep, the Farm Dog (S)
 Ship of the Desert (X)
 Sleeping Beauty (S)
 Some Friendly Birds (X)
 Sparky: The Colt (S)
 Spotty: Story of a Fawn (S)
 Spring on the Farm (S)
 Street Safety for Primary Grades (X)
 Summer on the Farm (S)
 Subtraction Is Easy (S)
 Swiss Wood Carver (X)
 Teddy Bears at Play (S)
 Teen Numbers (S)
 Thomas Jefferson (X)
 Three Fox Fables (S)
 Three Jungle Giants (X)
 Three Little Bruins (S,X)
 Three Little Bruins Make Mischief (S,X)
 Three Little Kittens (S)
 Three Wishes, The (S)
 Thrushes and Relatives (S)
 Tommy's Day (S)
 Truck Farmer (S)
 Tugboats (S)
 Undersea Life (X)
 Veldt (S)
 Visit With Cowboys, A (S)
 Wanted, a Master (S)
 Water Works For Us (S)
 We Go to School (S)
 We Make Butter (S)
 Ways to Good Habits (S)
 What Is Four? (S)
 What Is Soil (S)
 What Makes Us Grow (S)
 Wheat Farmer (S)
 Winter on the Farm (S)
 Wonder in Your Own Backyard (S)
 Wood Thrush (S)
 Wool (S)
 Your Family (S)
 Your Friend, the Doctor (S)
 Zoo, The (S)

See also: ELEMENTARY FILMS for primary subject breakdown

PRIMITIVE LIFE

The Strands Grow (S)

PRINTING

Journalism (S)
 Making a Book (X)
 Making a Monotype (X)
 Making an Etching (X)
 Modern Lithographer (S)
 Printing (S)
 Simple Block Printing (S)
 Story of Printing (S)
 Tree to Newspaper (X)
 Trees to Tribunes (S)

See also: JOURNALISM

PRISMS

Behavior of Light (X)
 Light Waves and Their Uses (S)

PROPAGANDA

Propaganda Techniques (S)

PROTOZOA

Protozoa (X)

PSYCHIATRY: See PSYCHOLOGY
PSYCHOLOGY

Act Your Age (S)
 Attitudes and Health (S)
 Boss Didn't Say Good Morning (S)
 Changes in Group Atmosphere (X)
 Child and Field Forces, The (X)
 Developing Imagination (S)
 Emotional Health (S)
 Feeling of Hostility (S)
 Feeling of Rejection (S)
 Field Forces as Impediments to Performance (X)
 Life Begins (S)
 Make Your Own Decisions (S)
 Motion Study Applications (S)
 Of Pups and Puzzles (S)
 Social Climate of Groups (X)
 Willie and the Mouse (S)

PUBLIC HEALTH

Centre, The (S)

PUBLIC SPEAKING: See ENGLISH LANGUAGE AND LITERATURE; SPEECH
PUEBLOS: See INDIANS
PUPPETS

Guignol and the Pirates (S)
 Honest Woodsman, The (S)
 Jerry Pulls the Strings (S)
 King Midas and the Golden Touch (S)

Legend of the Pied Piper, The (S)
 Making of Puppets (S,X)
 Marionettes (S)
 Princess and the Dragon (S)
 Puppet Faces (S,X)
 Puppet Theatre (S,X)
 Puppetry — Stringed Marionettes (S)
 Rumpelstiltskin (S)
 Santa Claus Punch and Judy (S)

PYGMIES: See AFRICA
QUARRYING

Limestone and Marble (X)
 Nation's Building Stone, A (S)

RABBITS

Adventures of Bunny Rabbit (S)
 Bre'r Rabbit and His Pals (X)

RACCOON: See ANIMALS
RACIAL AND CULTURAL RELATIONS

Americans All (S)
 Boundary Lines (S)
 Democracy (S)
 Despotism (S)
 Don't Be a Sucker (S)
 Gretna, The (S)
 House I Live In (S)
 Make Way For Youth (S)
 Negro Colleges in Wartime (S)
 Negro Soldier (S)
 Pan Americana (S)
 Passport to Nowhere (S)

RADAR

Conquest of the Night (S)
 Target Invisible (S)

RADIO AND TELEVISION

Airplane Radio Antennas (S)
 Brazilian Quartz Goes to War (S)
 Diode (S)
 On the Air (S)
 Primary Cell (S)
 Principles of Gas Filled Tubes (S)
 Radio and Television (S)
 Radio Broadcasting Today (S)
 Radio Technique Series: Periodic Functions (S)
 Receiving Radio Messages (S)
 Searchlight on the Nations (S)
 Sending Radio Messages (S)
 Sound Recording and Reproduction (S)
 Sound Waves and Their Sources (S)
 Triode (S)
 Vacuum Tube in Radio (S)

RADIUM

Madam Curie (S)

RAILROADS

Classroom Quiz (S)
Development of Transportation (S)
Freight Yard (S)
Lifeline of the Nation (S)
Meeting the Challenge (S)
Passenger Train (S)
Railroad Signal (S)
Railroad Transportation (X)
Steam Locomotive (S)
See also: TRANSPORTATION

RATS

Food and Growth (X)
How to Get Rid of Rats (X)

RAYON: See CLOTHING AND TEXTILES

READING: See ENGLISH LANGUAGE AND LITERATURE

RECREATION

American Square Dance (S)
Playtown, U.S.A. (S)
Social Dancing (S)
See also: ARTS AND CRAFTS; SPORTS;
TRAVEL

REFRIGERATION

Imprisoned Freshness (X)
Principles of Refrigeration (S)
Refrigeration (X)

REGIONAL GEOGRAPHY OF THE UNITED STATES

Cattle and the Corn Belt (S)
Cattle Drive (S)
Changing Cotton Belt (S)
Far Western States (S)
Flatboatmen of the Frontier (S)
Geography of New England (S)
Industrial Lakeport — Buffalo, N.Y. (S)
It's the Maine Sardine (S)
Middle States (S)
Northeastern States (S)
Northwestern States (S)
Plantation System in Southern Life (S)
Southeastern States (S)
Southwestern States (S)
Water for Dry Land — Southwest U.S.A. (S)
Wyoming and Its Natural Resources (S)
See also: UNITED STATES

REGIONAL GEOGRAPHY OF THE WORLD:

See country or area of interest

REPRODUCTION

Flowers at Work (S)
Human Growth (S)
Human Reproduction (S)
In the Beginning (S)
Reproduction Among Mammals (S)

REPTILES

Let's Catch Reptiles (S)
Reptiles (X)
Snakes (S)
Snapping Turtles (S)

**RESOURCES: See AGRICULTURE;
Soil Conservation; CONSERVATION;
MINERALS AND MINING**

RESPIRATION

Breathing (X)
Circulatory Control (X)
First Aid — Life Saving and Resuscitation (X)
How the Respiratory System Functions (S)
Mechanisms of Breathing (S)

REVOLUTION, AMERICAN: See UNITED STATES: Revolution

RICE

Philippine Islands (X)

RIVERS

Boat Trip, A (Hudson) (S)
Colorado River (S)
Continent of South America (Amazon) (X)
Energy in Our Rivers (S)
Farms and Towns of Slovakia — Danube River (S)
Mighty Columbia River (S)
Oregon Country (Columbia) (X)
Rio Grande (X)
River, The (Mississippi) (S)
Rivers of the Pacific Slope (S)
Source of the Amazon (S)
Work of Rivers (S)
Work of Running Water (S)

ROADS

Building a Highway (S)
Roads South (S)
See also: SAFETY

ROBINS

Robin (S)
Robin Redbreast (S)

ROCKS: See **GEOLOGY**

ROOTS

Roots of Plants (S)

RUBBER

Brazil (S,X)
Freedom Rides on Rubber (S)
Romance of Rubber (X)
Rubber (X)
Synthetic Rubber (S)

RUSSIA

Gypsy Revels (S)
Peoples of the Soviet Union (S)
Report From Russia (S)
Russia—Development of Agriculture (X)
Russia—Glimpses of Leningrad and Industry (X)
Russia—Glimpses of Moscow (X)

SAFETY

Accident Behavior (S)
Behind the Wheel (S)
Between the Lines (X)
Bicycle Safety (S)
Cause for Alarm (S)
Cooking: Kitchen Safety (S)
Do You Walk Safely (X)
Drunk Driving (S)
Everybody's Business (X)
Factory Safety (S)
Fight That Fire (S)
Fire Prevention (X)
Fire Protection (X)
Fire Safety (X)
Fireman, The (S)
Hit and Run Driver (S)
Home Safe Home (S)
Knights of the Highway (S)
Let's Play Safe (S)
Men of Fire (S)
More Dangerous Than Dynamite (S)
Night and Bad-Weather Driving (S)
No Accidents (S)
On Two Wheels (S)
Once Upon a Time (S)
One, Two, Three, Go! (S)
Patrol Protection (X)
Playground Safety (S)
Safe Day, A (S)
Safe Living At School (S)
Safe Use of Tools (S)
Safety at Play (X)
Safety in the Home (S)
Safety on the Highway (S)
Safety To and From School (S)
School Bus Safety (S)
Stop Silicosis (S)

Street Safety (X)
Vacation Safety (X)
What Price Happiness (S)
When You Are a Pedestrian (S)
See also: **FIRST AID**

SAHARA

Life in the Sahara (X)
Ship of the Desert (X)
See also: **ARID REGIONS**

SALMON

Alaska's Silver Millions (S)

SALT

Common Salt (X)

SAND

Sand and Clay (X)
Sand and Flame (S)
See also: **GEOLOGY**

SANITARY ENGINEERING: See **WATER AND WATER SUPPLY**

SCANDINAVIA

Scandinavia: Norway, Sweden, Denmark (S)

SCHOOL AIDS: See **STUDENT AIDS**

SCHOOL BOY PATROL

Patrol Protection (X)

SCHOOL LUNCHES

Food for Thought (S)
Kids Must Eat (S)

SCHOOLS: See **EDUCATION**

SCIENCE: See particular phase of science desired

SCOTLAND: See **BRITISH ISLES**

SCOUTING

Camping With the Troop (S)
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Drums Along the Mohawk (S)
Kentucky Pioneers (S)
Missions of California (X)
Monroe Doctrine (S)
Overland to California (X)
Pioneer Home, A (S)
Pioneers of the Plains (S)
Pony Express (S)
Romance of Louisiana (S)
Territorial Expansion of the United States (S)
Territorial Possessions of the United States (S)
Westward Movement (S)

General

America's Wonderlands (S)
American Portrait (S)
Communications Westward (S)
English Influences in the United States (S)
Law and Social Controls (S)
Life in Old Louisiana (S)
Man Without a Country (S)
Men of West Point (S)

Nation Is Born, A (S)
New Orleans (X)
New York Calling (S)
Old Ironsides (X)
Oregon Country (X)
Powers of Congress (S)
Productivity: Key to Plenty (S)
Ring of Steel (S)
Spanish Influence in the United States (S)
Story of Elias Howe (S)
War Came to America (S)

Geography

Alaska (X)
Alaska — Reservoir of Resources (S)
America the Beautiful (S)
Arid Southwest (X)
Arizona (S)
Colorado River (S)
Far Western States (S)
Middle States (S)
Mighty Columbia River (S)
Natural Resources of the Pacific Coast (S)
Northeastern States (S)
Northwestern States (S)
Oregon Country (X)
Pacific Coast (S)
River, The (S)
Seaports of the Pacific Coast (S)
Southeastern States (S)
Southwestern States (S)
Trading Centers of the Pacific Coast (S)
Washington Parade (S)
Yellowstone National Park (X)
Yosemite (X)

Revolution

Boston Tea Party (S)
Declaration of Independence (S)
Give Me Liberty (S)
Land of Liberty (S)
Our Bill of Rights (S)
Servant of the People (S)
Song of a Nation (S)
Sons of Liberty (S)
Story That Couldn't Be Told, The (S)

Twentieth Century

Electric Power in the Southern Appalachians (X)
F.D.R. (S)
Federal Taxation (S)
Inside the Capitol (S)
Inside the F.B.I. (S)
Inside the Library of Congress (S)
Inside the Smithsonian Institute (S)
Inside the White House (S)
Law and Social Controls (S)
Nation Is Born, A (S)
Powers of Congress, The (S)

UNITED STATES (continued)

Twentieth Century (continued)

Supreme Court, The (S)
 Teddy, the Rough Rider (S)
 Thomas A. Edison (X)
 Transportation in the United States (S)
 Triumph Without Drums (S)
 TVA (S)
 War Came to America (S)
 Washington, the Capital City (X)
 White House (S)
 See also: **WORLD WAR I AND II**

U.S. POSSESSIONS: See **POSSESSIONS OF THE UNITED STATES**

UNIVERSITY OF ILLINOIS

Contact with Books (S)
 Illinois Football Highlights — 1943 (S)
 Illinois Marches On (X)
 Installation of President Stoddard (S)
 Rose Bowl Game of 1947 (X)
 University of Illinois Bands (X)

URUGUAY

Buenos Aires and Montevideo (S)
 Young Uruguay (S)

VACCINATION AND INOCULATION

Story of Dr. Jenner (S)
 Tracing the Sleeping Death (S)

VATICAN

Inside the Vatican (S)

VENEREAL DISEASES: See **SOCIAL DISEASES**

VETERANS

Bob Marshall Comes Home (S)
 No Help Wanted (S)
 Peace Comes to America (S)
 Veterans and the Land (S)

VETERINARY SUBJECTS

Battling Brucellosis (S)
 Tuberculosis in Poultry and Swine (S)

VIRGINIA

Colonial Williamsburg (S)

VISUAL EDUCATION

Accent on Learning (S)
 Facts About Film (S)
 Film and You (S)
 Film Tactics (S)
 How You See It (S)

Instructional Films (S)
 March of the Movies (S)
 Sight and Sound
 Using the Classroom Film (S)
 Using Visual Aids in Training (S)

VITAMINS

Food Series, Vitamin B₁ (X)
 Food Series, Vitamin D (X)
 Kids Must Eat (S)
 Magic Alphabet (S)
 Something You Didn't Eat (S)
 Vitamin-Wise (S)
 See also: **FOODS AND NUTRITION**

VOCATIONS AND VOCATIONAL GUIDANCE

Air Transportation (S)
 Aptitudes and Occupations (S)
 Automotive Service (S)
 Baking Industry (S)
 Behind the Shop Drawing (S)
 Benefits of Looking Ahead (S)
 Bookkeeping and Accounting (S)
 Brick and Stone Mason (S)
 Bus Driver (S)
 Careers for Girls (S)
 Choosing Your Occupation (S)
 Church Vocations (S)
 Current Flashes (S)
 Dairy Industry (S)
 Dentistry, A Career (S)
 Draftsman, The (S)
 Engineer, The (S)
 Finding the Right Job (S)
 Finding Your Life Work (S)
 Fire and Police Service (S)
 Fireman (S)
 Fireman, The (S)
 For Some Must Watch (S)
 Forest Ranger (S)
 Forestry and Forest Industries (S)
 Furniture Craftsman (S)
 General Agriculture (S)
 Heating and Air Conditioning (S)
 How to Keep a Job (S)
 Improving the Job (S)
 Instructing the Worker on the Job (S)
 Introducing the New Worker to His Job (S)
 I Want a Job (S)
 I Want to Be a Secretary (S)
 It's Our Job (S)
 Journalism (S)
 Laundering and Dry Cleaning (S)
 Librarian (S)
 Life Insurance Occupations (S)
 Machine Maker (S)
 Machinist and Toolmaker (S)
 Mailman, The (S)

Metal Craft (S)
 Minutes Are Pennies (S)
 Modern Lithographer, The (S)
 No Help Wanted (S)
 Nursing (S)
 Of Pups and Puzzles (S)
 Office Etiquette (S)
 Painting and Decorating (S)
 Passenger Train (S)
 Pharmacist (S)
 Placing the Right Man on the Job (S)
 Planning and Laying Out Work (S)
 Planning for Success (S)
 Plumbing (S)
 Pottery Making (S)
 Poultry Raising (S)
 Printing (S)
 Radio and Television (S)
 Restaurant Operator (S)
 Sheet Metal Worker (S)
 Teachers for Tomorrow (S)
 Teaching (S)
 Telephone and Telegraph (S)
 Transportation (S)
 Welding Operator (S)
 You and Your Work (S)

See also: AUTOMOTIVE MECHANICS; AVIATION; COMMERCIAL EDUCATION; INDUSTRIAL PROCESSES; MACHINE TOOLS; HAND TOOLS; and many others pertaining to various vocations

VOLCANOES

Birth of a Volcano (S)
 Krakatoa (S)
 Volcanoes (X)
 Volcanoes in Action (S)

VOLLEYBALL: See SPORTS

WAR

Freedom Comes High (S)
 Prelude to War (S)
 Prices Unlimited (S)
 Rescue Squadron (S)
 Right of Way (S)
 Rise and Fall of Nazi Germany (S)
 Road to Berlin (S)
 See also: SOCIAL PROBLEMS; WORLD WAR I AND II

WASHINGTON, D. C.

Archives, The (S)
 Inside the Capitol (S)
 Inside the F.B.I. (S)
 Inside the Library of Congress (S)
 Inside the Smithsonian Institute (S)

Inside the White House (S)
 Invitation to a Nation (S)
 Washington, Capital City (X)
 Washington Parade (S)
 White House (S)
 Working Knowledge of the National Government (S)

WASHINGTON, GEORGE

First in the Hearts of Farmers (S)
 Servant of the People (S)

WATER AND WATER SUPPLY

City Water Supply (S)
 Drinking Health (X)
 Earth's Rocky Crust (S)
 Foods — Drink of Water (X)
 Ground Water (S)
 Properties of Water (S)
 Purifying Water (X)
 River, The (S)
 Water Cycle (X)
 Water Power (S)
 Water Works for Us (S)
 What Makes Rain (S)
 Work of Rivers (S)
 Work of Running Water (S)

WATER ANIMALS

Pond Insects (S)
 Protozoa (X)
 Tiny Water Animals (S)

WATER POWER

Energy in Our Rivers (S)
 Niagara Falls (S)
 Water Power (S)
 See also: HYDROELECTRIC POWER

WEATHER

Aerology — Thunderstorms (S)
 Atmosphere and Its Circulation (S)
 Modern Weather — Part I, II (S)
 Prophet Without Honor (S)
 Story of a Storm (S)
 Water Cycle (X)
 Weather (S)
 Weather Forecasting (X)
 Weather Wizards (S)
 What Makes Rain (S)
 Winds and Their Causes (S)

WELDING

Airplane Welding (X)
 How to Weld Aluminum (S)
 Oxy-Acetylene Flame-Master of Metals (S)
 Story of Arc Welding (S)

WEST INDIES

- Five-C Club in Cuba (S)
- People of Saba (S)

WEST POINT

- Men of West Point (S)

WESTERN STATES

- Arid Southwest (X)
- Arizona: Its Mineral Resources and Scenic Wonders (S)
- Far Western States (S)
- Northwestern States (S)
- Oregon Country (X)
- Southwestern States (S)
- Yosemite National Park (X)

WHEAT

- Bread (S)
- Wheat Farmer (S)

WILD FLOWERS

- Wild Flowers (X)
- See also: FLOWERS

WILD LIFE

- Alaska's Silver Millions (S)
- Black Bear Twins (S)
- Giants of the Jungle (S)
- Gray Squirrel (S)
- Grey Owl's Little Brother (S)
- Heritage We Guard (S)
- Realm of the Wild (S)
- Three Little Bruins in the Woods (S)
- See also: ANIMALS; BIRDS

WINDS

- Winds and Their Causes (S)
- See also: WEATHER

WINTER SPORTS

- Winter Carnival (S)
- Winter Wonderland (S)
- See also: SPORTS

WOOD PRODUCTS

- Furniture Craftsmen (S)
- Furniture Making (X)
- Paper Making (S)
- Pineways to Profit (S)
- Rayon (S)
- Science and Wood Utilization (S)
- Strength of the Hills (S)
- Tree in a Test Tube (S)
- Trees for Tomorrow (S)

Trees to Tribunes (S)

Use of Forests (S)

See also: AGRICULTURE, Forestry; PAPER

WOODWORKING: See HAND TOOLS
WOOL

Wool (S)

See also: CLOTHING AND TEXTILES

WORLD HISTORY

- British Isles (S)
- Crusades (S)
- Medieval World (S)
- News Parade of 1938 (S,X)
- News Parade of 1939 (S,X)
- News Parade of 1940 (S,X)
- News Parade of 1941 (S,X)
- News Parade of 1950 (S,X)
- News Review of 1947 (S)
- News Thrills of 1942 (S)
- News Thrills of 1943 (S)
- News Thrills of 1946 (X)
- News Thrills of 1948 (S)
- Poland (X)
- Renaissance, The (S)
- World at War (S)
- See also: INTERNATIONAL UNDERSTANDING; WORLD WAR I AND II

WORLD RELATIONSHIPS

- Airplane Changes the World Map (S)
- Atomic Power (S)
- Geopolitik (S)
- Highway of Friendship (S)
- One World or None (S)
- Roads South (S)
- We Live in Two Worlds (S)
- World of Plenty (S)
- See also: RACIAL AND CULTURAL RELATIONSHIPS; INTERNATIONAL UNDERSTANDING

WORLD TRADE: See ECONOMIC GEOGRAPHY
WORLD WAR I

- Causes and Immediate Effects of the First World War (S)
- Yanks Are Coming (S)

WORLD WAR II

- Army Air Forces Pacific (S)
- Army Air Forces Report (S)
- Army Nurse (S)
- Battle for France (S)
- Battle for Oil (S)

Cadet Classification (S)
 Canning the Victory Crop (S)
 Case of the Tremendous Trifle (S)
 China Crisis (S)
 Conquest of the Night (S)
 D-Day (S)
 Day of Battle (S)
 Diary of a Sergeant (S)
 Divide and Conquer (S)
 Earthmovers (S)
 Everywhere in the World (S)
 Farm Life in Wartime (S)
 Fight for the Sky (S)
 Film Communique No. 1 Through No. 13 (S)
 Firepower (S)
 Fleet That Came to Stay (S)
 Food for Fighters (S)
 Freedom Comes High (S)
 Fury in the Pacific (S)
 Gardens of Victory (S)
 Geopolitik (S)
 Gracias Amigos (S)
 Guardians of the Sea (S)
 Guilty or Not Guilty — The Nuremberg Trials (S)
 In the Wake of the Armies (S)
 Invasion of Fortress Europe — Rome Falls to the Allies (S)
 It Can't Last (S)
 It's Your America (S)
 Jap Relocation (S)
 Lady Marines (S)
 Life Line (S)
 Marines Have Landed (S)
 Men and the Sea (S)
 Mission Accomplished (S)
 Nation Is Born, A (S)
 Nazis Strike (S)
 New Soldiers Are Tough (S)
 News Parades of 1938 Through 1941 (S,X)
 News Review of 1945 (S)
 News Thrills of 1942 Through 1945 (S)
 Normandy Invasion (S)
 Objective Security (S)
 Peace Comes to America (S)
 Perishable — Rush (S)
 Photography Fights (S)
 Prelude to War (S)
 Prices Unlimited (S)
 Remember These Faces (S)
 Report from Beachhead (S)
 Reports from AAF (S)
 Ring of Steel (S)
 Road to Berlin (S)
 School in Cologne (S)
 Spirit of '43 (S)
 Survival of the Fittest (S)
 Tanks (S)
 Target for Today (S)

Target for Tonight (S)
 Target Invisible (S)
 These Are the Men (S)
 Thousand Days, The (S)
 Troop Train (S)
 Two Way Street (S)
 United States News Reviews (S)
 War Came to America (S)
 War in Europe (S,X)
 War on Wheels (S)
 We Said We'd Come Back (S)
 Wings Up (S)
 World at War (S)
 Yanks Bomb Tokyo (S)

X-RAYS

Moving X-rays (S)

YEAST

Mold and Yeast (X)

YELLOW FEVER

Life History of the Yellow Fever Mosquito (X)
 Mosquito — The Public Enemy (S)
 Silent War (S)
 Yellow Jack (S)

YELLOWSTONE PARK

Yellowstone (S)
 Yellowstone Magic (X)
 Yellowstone National Park (X)
 See also: NATIONAL PARKS

YOSEMITE PARK

Let's See Yosemite (X)
 Falling Waters of Yosemite (S,X)
 See also: NATIONAL PARKS

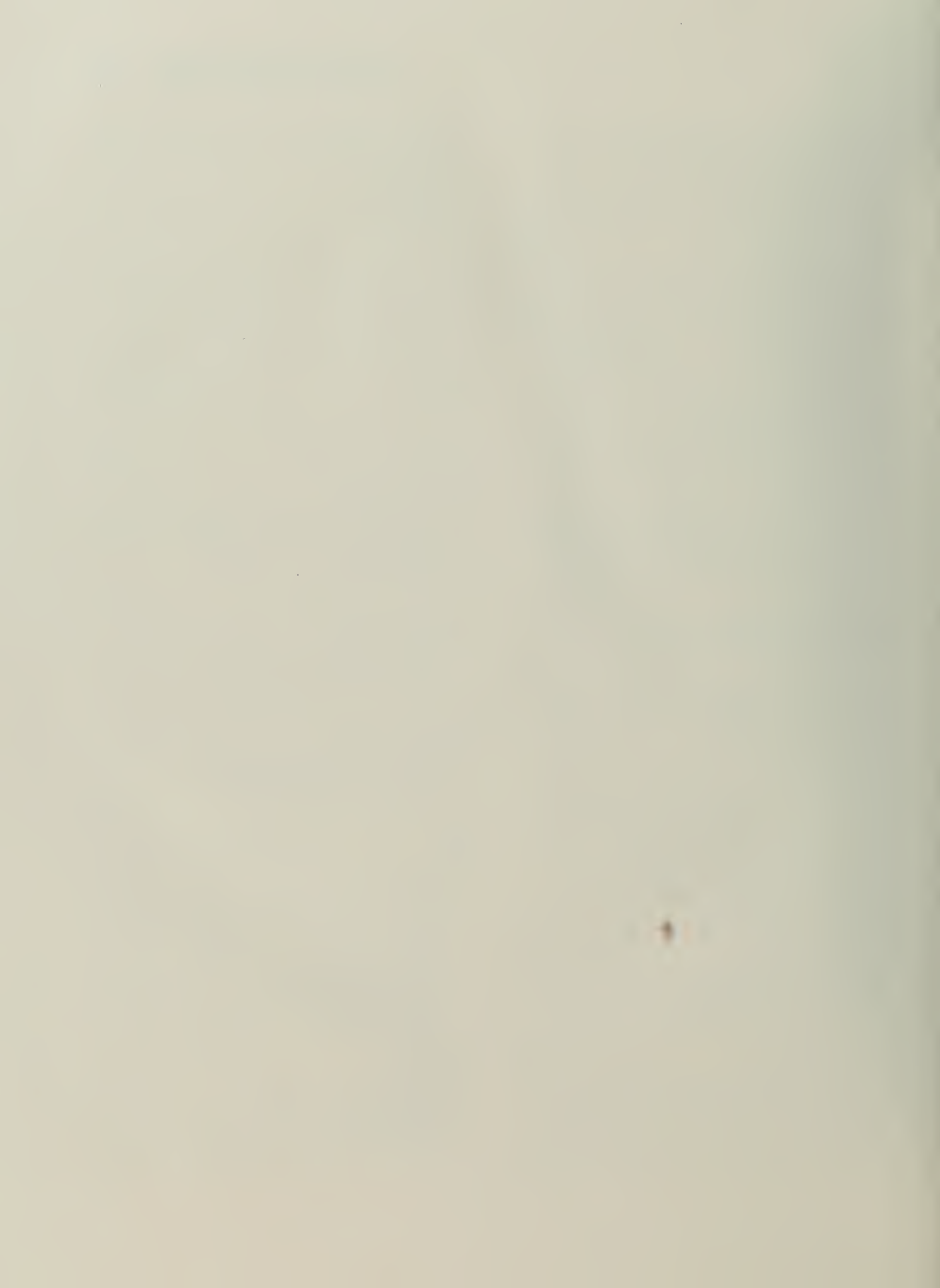
YUCATAN: See MEXICO

ZOO

Animals of the Zoo (S)
 Bear and Its Relatives (S)
 Deer and Its Relatives (S)
 Elephants (S)
 Giants of the Jungle (S)
 Horse and Its Relatives (S)
 Pig and Its Relatives (S)
 Zoo, The (S)
 See also: ANIMALS

ZOOLOGY

Development of the Chick (S)
 Earthworms (S)
 Life Cycle of the Frog (S)
 See also: ANIMALS; BIOLOGY



FILMS RECEIVED TOO LATE TO CLASSIFY

ABRAHAM LINCOLN (EB)

Re-enacts incidents in Lincoln's life which characterize him as an outstanding exponent of human freedom. Traces interesting events of his early boyhood which reveal his unforgettable qualities of integrity, humor, common sense, and tenderness. Points to his several roles as store clerk, woodsman, lawyer, husband, father, congressman, and President. Associates familiar Lincoln quotations with the incidents which prompted them. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$4.50

ALCOHOLISM (EB)

Presents the causes and treatment of excessive drinking, tracing the development of the disorder in the case history of Ed Grimer. Shows how the roots of alcoholism are imbedded in personality difficulties, and describes various forms of treatment. Demonstrates the role of the public clinic, and emphasizes the need for increased treatment facilities and greater public knowledge of this widespread problem. (H-C-A)

One reel (800 feet), 22 minutes
Rental, \$4.00

ALEXANDER HAMILTON (EB)

Re-enacts episodes in the life of a leading figure in the formation of the American Nation. Reveals Hamilton first as a boy-businessman; shows his role in the American Revolution; tells his part in the adoption of the Constitution; portrays his career as the first secretary of the Treasury; and re-enacts events which led to his death at the hands of Aaron Burr. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$3.00

ANDREW CARNEGIE (EB)

Reviews his life from his poverty-stricken youth in Scotland to the time when he becomes a builder of American industry. Depicts his trials and successes while working in a telegraph office, and follows his career through the years when he built the world's greatest steel-producing system. Outlines the many philanthropic activities after he realized the fulfillment of his youthful dreams. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$4.00

ANDREW JACKSON (EB)

Portrays episodes in the life of America's seventh president who has become the symbolic representative of the common man in government. Scenes of his boy-

hood; highlights of his military career; events in his years as President. Reveals his inauguration of a policy which led to the spoils system, and explains his attack on the United States Bank. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$3.00

ANGRY BOY (IFB)

The story of Tommy Randall who, having been caught stealing in school, is sent to a child guidance clinic, instead of being treated as a criminal. An investigation by members of a psychiatric team at the clinic reveals that Tommy is suffering from an emotional disturbance which is traced to its basic causes. How his mother is helped to understand Tommy and how Tommy, himself, learns to accept and handle his feelings through the process of psychotherapy, provides the main drama of the picture. At the end, Tommy is on his way to recovery and the audience has been given some understanding of how unconscious motivation affects the behavior of both children and adults. (C-A)

One reel (1200 feet), 33 minutes
Rental, \$6.00

ANSWERING THE CHILD'S WHY (EB)

Brings to light important aspects of the period when the child begins to ask questions. Dramatizes true-to-life situations in which youngsters meet with positive or negative attitudes toward their questions and suggests the resulting effects on their personalities. A valuable film for helping children make a harmonious adjustment to the world about them. (H-C-A)

One reel (800 feet), 14 minutes
Rental, \$3.00

ARCH AGAINST THE SKY (WPP)

Shows the advantages of a steel quonset farm building for controlled drying of corn. When not used for drying corn, this type of building can be used for other purposes; its versatility meaning greater farm profits. (A)

One reel (800 feet), 22 minutes
Handling charge, \$1.00

ATOM, THE (ALF)

Penetrates the world of molecules and atoms, increased for the sake of visualization, to the size of a cathedral. The splitting of the atom is climaxed by a demonstration of the Bikini atomic explosions and how atomic energy may be harnessed for man's good. (J-H-C-A)

One reel, 10 minutes
Rental, \$2.25

ATOMIC ALERT (EB)

Explains the effects of an atomic bomb explosion, and demonstrates protective measures to be taken. What to do in an air raid alert, and in an atomic bomb raid are shown. Designed to create realistic but calm attitudes, the film combines action scenes with animated drawings to achieve desirable attitudes and responses. (I-J-A)

One reel, 11 minutes
Rental, \$2.00

BALI TODAY (EB)

Against a background of Balinese music, the film portrays life on this tiny island in Indonesia. Emphasizes the role of the Brahmin religion in everyday life with scenes of the rice harvest, dance ceremonies, and flower offerings to the gods. Examples of weaving and mask-carving illustrate Balinese Art. (Color) (I-J-A)

One reel, 11 minutes
Rental, \$4.00

BEAT BALL (IU)

Shows and explains the diamond, the proper bases, and the types of balls that may be used. Pictures a simple way to divide the teams and to start a game. Shows, with several variations, how the batter throws and hits the ball. Explains the object of the game and the rules. (I-J)

One reel, 4 minutes
Rental, \$1.50

BEAVER, THE (EB)

Shows activity of the beaver in its natural environment. Illustrates ways in which the beaver's teeth, feet and tail help him in swimming, eating, felling trees, and repairing a broken dam. Reveals the construction of a beaver house, and stresses the importance of the animal as an agent of conservation and as a valuable fur bearer. (Color) (I-J)

One reel, 11 minutes
Rental, \$4.00

BIRDS OF NORTH AMERICA #3 (EB)

Presents the killdeer plover, the nighthawk, and the cedar waxwing. Reveals markings and cries of these birds; illustrates how each bird behaves when its nest is threatened; portrays feeding habits of the young birds. Animated maps point out summer and winter habitats. (Color) (I-J)

One reel, 11 minutes
Rental, \$4.00

BIRDS OF NORTH AMERICA #4 (EB)

Depicts the identifying characteristics of three birds: the spotted sandpiper, the sora rail, and the Barrow's golden eye. Indicates their summer and winter range; and portrays the mother birds on their eggs, the eggs hatching, and the young birds venturing out into their world of rock, reed, and water. (Color) (I-J)

One reel, 11 minutes
Rental, \$4.00

BIRDS OF NORTH AMERICA #5 (EB)

Presents distinctive markings of three birds: the yellow-shafted flicker, the chestnut-sided warbler, and the mountain bluebird. Gives nest-side views of the activities, development, and habitat of these birds; maps show the areas where each of them may be found. (Color) (I-J)

One reel, 11 minutes
Rental, \$4.00

BIRDS OF THE SEASHORE (EB)

Portrays the activities, habitats, and distinguishing marks of various North American water birds. Depicts plumed gulls in flight and nesting in colonies, gannet colonies, eider ducks, the black guillemot, blue heron, razor-billed auk, and the cormorant. Authentic bird calls are heard throughout the film. (Color) (I-J)

One reel, 11 minutes
Rental, \$4.00

BOOKER T. WASHINGTON (EB)

Pictures him from childhood to the time when he became "probably the greatest Negro in history." Reproduces episodes illustrating his constant struggle to free his people from ignorance, poverty, and fear. Recalls his hardships in obtaining an education, his problem in building Tuskegee Institute, and his tragedies in private life. (J-H-A)

One reel (300 feet), 22 minutes
Rental, \$4.00

BRITISH ISLES: THE LAND AND THE PEOPLE (C)

How do fifty-three million people live on two islands about the size of Idaho and Maine? To understand this is to understand the geography of the British Isles. Key to the answer is the exchange of imports and exports. Through this film, audiences will gain a strong, clear concept of how and why the people of the British Isles have made excellent use of their limited space and resources; how they have built their islands into one of the world's centers of shipping and trade. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

CARE OF HAIR AND NAILS (EB)

A fairy tale character shows youngsters how to clean and manicure fingernails, how to trim toenails, and how to shampoo and brush the hair. She lets them see some common diseases of the hair and uses animated drawings to show the structure of hair and nails, and to explain why their care is important. (P-I)

One reel, 11 minutes
Rental, \$2.00

CHEMISTRY OF FIRE (UW)

Demonstrates how the elements fuel, oxygen, and ignition temperature must be present in order to have

a fire; differentiates between flash point and ignition point of fuels; and gives two ways in which a fire may be extinguished. (J-H-C-A)

One reel (1600 feet), 46 minutes
Rental, \$4.00

CHILDREN'S CONCERT I: RHYTHM AND PERCUSSION (EB)

Explains the fundamentals of rhythm and demonstrates the percussion instruments. An old Indian tomtom is compared with modern drums, and a children's rhythm band performs under the direction of a diminutive leader. (P)

One reel, 11 minutes
Rental, \$2.00

CHILDREN'S CONCERT II: WOODWINDS AND BRASS (EB)

Introduces the woodwind and brass instruments as musicians play each type. Beginning with a willow whistle, explains that modern wind instruments are just more complex versions of this simple pipe. Ends with a close-up view of the instruments as they are played. (P)

One reel, 11 minutes
Rental, \$2.00

CHILDREN'S CONCERT III: STRING INSTRUMENTS (EB)

Points on musical form are illustrated and the strong instruments introduced. When the violin, cello and viola have been presented separately, they join in a fugue. Closing scenes show a troop performing a dance built around the legend of Persephone. (P)

One reel, 11 minutes
Rental, \$2.00

CITIZEN FIREMAN (MOT)

Reveals what happens when the fire siren blows in one small town. It's a story of a typical community's volunteer fire fighters—citizens from all occupations and walks of life who undergo training, and regularly risk their lives in a cooperative effort to save the lives and property of their neighbors. Pointing out that most fire departments in the United States are composed of volunteers, this film presents an example of democracy at work in America. (C-A)

One reel (800 feet), 19 minutes
Rental, \$3.00

CITY OUT OF DARKNESS (ECA)

When the Soviet Union stripped the factories of Germany after World War II, the people of the western sector of Berlin became dependent on the power stations of the Soviet zone for their electricity. The Berliners worked day and night to construct their own power plant and now Power Station West sup-

plies sufficient electricity for all the homes and all the industry of West Berlin. (J-H-C-A)

One reel, 9 minutes
Handling charge, \$1.00

CORINTH CANAL (ECA)

The Corinth Canal is a vital link in Greek waterways. In 1944 the Germans, retreating from Greece, dynamited the canal, sunk in its mud freight cars, bridges and ships to bar it to Allied traffic. With the help of E. C. A. funds and American engineers, the canal was restored in 1948. Follows the passage of a Greek ship through the canal for the first time since the war. (J-H-C-A)

One reel, 10 minutes
Handling charge, \$1.00

CURTAIN CALL (EB)

As a guide for the staging of amateur theatricals, develops sequentially the major problems which the producer faces: casting, direction, rehearsals, costumes, properties, sets, publicity, and finances. (J-H-A)

One reel (1200 feet), 28 minutes
Rental, \$4.00

DANIEL WEBSTER (EB)

Traces the development of the qualities and skills which made Webster a distinguished lawyer, the leading orator of his day, and a spokesman for American National unity. Portrays the events which influenced him to be first a states' rights man and defender of the trading interests of New England, and later, the nation's most eloquent advocate of strong national power and unity. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$3.00

DAY OF THANKSGIVING, A (YA)

Tells how a typical American family used Thanksgiving Day as the occasion to review the freedoms and privileges which they enjoy in their everyday living under the American way of life. They realize that they have more to be thankful for than just the usual symbols associated with Thanksgiving Day. (J-H-C-A)

One reel (800 feet), 13 minutes
Rental, \$2.00

DISCUSSION IN THE SOCIAL SCIENCES (EB)

Illustrates an on-the-spot record of an unrehearsed discussion in a first-year college class in social science. Presents discussion as a method of teaching by showing students and teacher examining Horace Mann's essay on free universal education. Points out the role of the instructor as a guide, and illustrates the contribution of the students to a well-planned, skillfully executed discussion period. (H-C-A)

One reel (800 feet), 22 minutes
Rental, \$3.00

DUTIES OF A SECRETARY (NEF)

Demonstrates proper duties of a secretary by showing the wrong and right ways to handle the job. The wrong ways are shown in a dream which a young secretary has on the eve of beginning a new job. (H-C-A)

One reel (1200 feet), 30 minutes
Rental, \$4.00

ECLIPSE (ALF)

Pictures of an actual solar eclipse, taken by means of time-lapse photography, illustrate this natural phenomena. (J-H-A)

One reel, 11 minutes
Rental, \$2.25

EDUCATION OF EXCEPTIONAL CHILDREN (UI)

All phases of a well-rounded, nationally recognized program for the education of exceptional and handicapped children is depicted. Programs in operation to aid the hard of hearing, speech handicapped, mentally retarded, and those individuals with impaired sight are shown. (C-A)

One reel (1200 feet), 25 minutes
Rental, \$4.00

ELI WHITNEY (EB)

Life story of the inventor of the cotton gin. Relates incidents which call attention to his dreams and faith in his ideas. Portrays him developing the machine which boomed the economy of the South. Describes the experiments in designing tools and building machinery for the manufacture of muskets, which became the technical basis for mass production. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$4.00

FEELINGS OF DEPRESSION (NFBC)

Shows how John Murray, outwardly a self-sacrificing man who has devoted himself to furthering his brother's career, has carried a buried resentment and jealousy of his brother since childhood. When his business failure coincides with his brother's success, he again experiences the old smoldering jealousy, the feeling that his own ambitions have been cheated. His struggle with his conscience manifests itself in fits of wretched despondency when he feels he does not deserve the love and esteem of his wife and associates. Film points out that John's case is not an isolated one; he may recover spontaneously, or, through psychiatric treatment, he can be helped to understand himself fully. (C-A)

One reel (1200 feet), 30 minutes
Rental, \$5.00

FIRE PREVENTION (In the Home) (EB)

Employs a story treatment to teach awareness of important aspects of fire prevention in the home. Demonstrates the proper use of matches and of a fire extinguisher. Illustrates investigation of electric outlets

and points out common danger spots in attics and basements. Stresses the desirability of making fire prevention a family matter. (P-I)

One reel (800 feet), 14 minutes
Rental, \$3.00

FIRST AID ON THE SPOT (EB)

Features six common types of injuries or disabilities and the American Red Cross approved technique for handling each specified case. Types are: caring of wounds, burns, and shock; splinting, control of bleeding, and administering artificial respiration. (J-H-A)

One reel, 11 minutes
Rental, \$2.00

FIRST IMPRESSIONS (Castle)

Discusses reasons why new employees may not like their jobs and gives some primary steps in giving them a good first impression of their work. (C-A)

One reel (800 feet), 21 minutes
Rental, \$3.25

FORCE OF GRAVITY (YA)

While roller skating, Judy experiences gravity. She learns other things about what gravity does, how it relates to weight and speed of falling, and a concept of what it is. (P-I)

One reel, 11 minutes
Rental, \$2.00

FOX AND THE ROOSTER, THE (EB)

This adaption of one of Aesop's fables points up the moral that even a clever schemer can be outwitted when good friends help each other. Animals play all the roles. Characters are a fox, owl, rooster, possum, and dog. (P)

One reel, 11 minutes
Rental, \$2.00

FRENCH INFLUENCES IN NORTH AMERICA (C)

From the Gulf of the St. Lawrence to the mouth of the Mississippi, the great French Empire in North America left a profound influence upon the culture of this continent. The living evidences of that culture on our own language, dress, architecture, religion and art form are the theme of this visual history motion picture. Authentic historical locations from Quebec, Canada to former forts and trading posts to the middle west, down to the bayous of Louisiana are presented to document the widespread movement and influence of French explorers. (I-J-H-A)

One reel, 11 minutes
Rental, \$2.00

FUR TRAPPER OF THE NORTH (EB)

Shows the rugged life of the fur trapper in the northern wilds. Three sequences show his summer and

early autumn preparation, the beginning of trapping in late autumn, carrying through the dead of winter into spring, and the return of spring, and the break-up of ice, the end of trapping and disposition of pelts. (Color) (I-J)

One reel, 11 minutes
Rental, \$4.00

GEORGE WASHINGTON (EB)

Brings to life the qualities and skills which made Washington, more than anyone else, the builder of the American nation. Portrays events of his boyhood and his role in the French and Indian Wars. Illustrates his trials and triumphs as military leader in the American Revolution and as organizer of the movement to frame the Constitution. Reveals his difficulties and success as first President of the United States. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$3.00

GOING TO BLAZES

(TFC, Restricted to Classroom Use)

Tells of the work of the fire department in a large city; how an alarm is turned in and what happens in the fire department. States that the way to fight fires is to prevent them by safety checks. Shows many home fire hazards. Homes, lives, jobs—all are going to blazes, and a fire costs everybody. (H-A)

One reel (800 feet), 22 minutes
Rental, \$3.50

GOOD EATING HABITS (C)

When youngsters see how Bill, a boy just like them, becomes ill because of his improper eating habits, they're sure to take a new interest in the proper way to eat. They'll see how important it is to eat slowly, chew foods thoroughly, avoid excessive sweet foods—especially between meals—and why they should eat what is served to them at mealtime. (P-I)

One reel, 11 minutes
Rental, \$2.00

GOOD TABLE MANNERS (C)

Good table manners depend partly upon attitude. Here this important factor is developed by showing that table manners are matters of courtesy, consideration for others and common sense. Through an unusual dramatic device, in which a 14-year-old boy is brought face-to-face with himself as a young man of 21, audiences will see that they soon will be entering an adult world in which they will be constantly concerned with making a good impression. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

GREEK CHILDREN (EB)

Shows daily activities of a boy and girl in a fishing village of southern Greece. Portrays the chores of the

girl and other womenfolk, and the boy's friendship with the village shepherd who teaches him to play the flute. Follows the boy and his father to Athens in a fishing boat, and ends with scenes of the Acropolis. (P-I)

One reel (800 feet), 17 minutes
Rental, \$3.00

GROUSE OF THE GRASSLANDS (EB)

Shows the western Missouri booming grounds of the prairie chicken where is filmed the mating ceremonies of that species of grouse. Portrays the booming of the male, his strutting to attract the female, and his gorgeous mating-time coloration. (Color) (J-H)

One reel, 11 minutes
Rental, \$4.00

GROWING GIRLS (EB)

Through case study and animation, tells the physiology of menstruation and indicates health practices pertinent to its periodic recurrence. A young girl is shown reacting to the onset of the period, and demonstrates proper exercise, diet and her relation to common experience through a menstrual period. (J-H)

One reel (800 feet), 14 minutes
Rental, \$3.00

GUARDIANS OF OUR COUNTRY'S HEALTH (F)

The work of the Quarantine Stations of the U. S. Public Health Service. Shows what is done by doctors and quarantine inspectors at harbors, airfields and border stations to prevent the spread of disease by persons entering the United States. (Color) (H-C-A)

One reel (800 feet), 16 minutes
Rental, \$4.50

H — THE STORY OF A TEEN-AGE DRUG ADDICT (YA)

The case history of a teen-age boy and his fight with drugs—how he encounters drugs and becomes an addict, and how he solves his problem. (H-C-A)

One reel (800 feet), 22 minutes
Rental, \$5.50

HANDICRAFT TOWN (ECA)

Maniago, a small town in northern Italy, is known the world over for the quality of its hand-wrought cutlery. But the tradition seemed on the point of dying out until E. R. P. funds restored the flow of coal and steel to Maniago. Production now is back to pre-war standards. Includes demonstration of the technique of knife-making by hand. (J-H-C-A)

One reel, 10 minutes
Handling charge, \$1.00

HE ACTS HIS AGE (McGH)

States that a child's activities are an accurate gauge to his mental development. Traces the development of the child from the year-old baby bent on exploring the whole wide and wonderful world to the fifteen-year-old with problems of approaching adulthood. Shows that the different stages of development are definite, predictable stages that can be anticipated and understood. If we work at understanding how they behave at certain stages, we can give our children the right help at the right time. (C-A)

One reel (800 feet), 13 minutes
Rental, \$5.00

HEADSPRINGS IN THE GYM (EB)

Demonstrates the three fundamental parts of the headspring—the angle headspring, the push-up to the handstand, and the landing. Illustrates the use of a box and a mat as a base for the spring, and portrays a running start. Slow motion photography allows unhurried study of action and techniques. (J-H)

One reel, 11 minutes
Rental, \$2.00

HEALTHY LUNGS (C)

By knowing the structure and work of the lungs, it is easier to understand how to care for them . . . to protect them from infection and injury. **HEALTHY LUNGS** shows the part of the breathing mechanism in contact with the air—the windpipe, larynx, bronchial tubes, small air tubes and the tiny air sacs—and demonstrates how the exchange of waste products for oxygen takes place. (I-J-A)

One reel, 11 minutes
Rental, \$2.00

HILL CAPITAL, THE (CID)

First motion picture record of the interior of the Sabre Tooth Relic, a Buddhist shrine of Kandy, Ceylon. Shows brief glimpses of Ceylon, Ceylon University, primitive farming and industrial methods, native dances, religious ceremonies and the beautiful pageant of Para Hara. (H-C-A)

One reel (1200 feet), 25 minutes
Rental, \$3.50

HORACE MANN (EB)

Episodes in the life of the "father of the common schools." Reviews his activities as teacher, lawyer, state senator, board of education member, and college president. Emphasizes his great work in pointing up the need for well-built schools, good textbooks, democratic methods of learning, schools for teachers, and universal education in the United States. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$4.00

HOW ANIMALS DEFEND THEMSELVES (YA)

Deals with the way in which animals have become adapted for protection against other animals and Nature. Examples of protection or defence mechanisms are shown—speed and agility, tough shells and hides, sharp claws and beaks, camouflage and mimicry. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

HOW EFFECTIVE IS YOUR READING? (C)

Though students vary widely in reading skills, this film will help each improve his reading habits, for faster reading and for better comprehension. Skimming for overview; fast reading for general understanding; slow, careful reading for precise information, and other important techniques are presented to help the student in various reading situations with different types of materials. (J-H-A)

One reel, 11 minutes
Rental, \$2.00

HOW TO AVOID MUSCLE STRAINS (B)

Using live models and animated drawings, illustrates the mechanics of muscular activities. Shows the analogy between the three types of levers and certain arrangements of bones and muscles in the human body. Shows the correct and incorrect ways of lifting objects and illustrates the effects of overstrain on the cerebral column. Concluding section deals with the difficult subject of hernias. (H-C-A)

One reel (800 feet), 15 minutes
Rental, \$3.00

HOW TO CONCENTRATE (C)

All too often there are so many sources of distraction, so many conflicting centers of interest that concentration on studies, business or personal matters seems to be difficult or even impossible. With an understanding of how to concentrate, however, much can be done to overcome the bad effects of distractions. Audiences will learn, for example, to select one thing upon which to concentrate and to give it full attention. Then by following other "habits" the ability to give proper attention to a task will be developed. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

HOW TO GIVE AND TAKE INSTRUCTIONS (C)

Shows the importance of knowing how to give good, clear instructions and how to take and use instructions. Presents five basic skills necessary for clear and effective communication and instructions, including the ways to give and also to receive them. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

HOW WE LEARN (C)

Analyzes the process of learning and shows the two components; "readiness" and "materials." In most school situations, materials are easily available, and "readiness" — the proper mental condition — determines to a large extent the amount and rapidity of learning. How each class member can assume the responsibility for his own "readiness" to learn is told in a simple counseling incident. The principles of readiness explained are: establish goals, cooperate and compete with others, work with your teachers, and see some sense in what you are doing. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

ILLINOIS (OF)

Gives a survey of the State as it is today, and its place in history. Brief scenes show the capital, including Lincoln's tomb and statue, street scenes, and the Capitol building. Shows scenes of Chicago and its industry. Film shows industrial plants and operations, transportation, agriculture, and then the State Fair. Also shown is the University of Illinois. (Color) (J-H-C-A)

One reel, 10 minutes
Rental, \$4.00

IMPORTANCE OF MAKING NOTES (C)

Note-taking, as an important study aid, has great value to students in almost every course. This basic motion picture presents the important skills of good note-taking. Through it audiences will learn how good notes are taken in oral instruction periods and during reading. They will see how to find the key ideas for notes, what sorts of materials should be taken down verbatim and when notes should not be taken at all. (J-H-C)

One reel, 11 minutes
Rental, \$2.00

IMPROVE YOUR PERSONALITY (C)

It's important that young people realize that personality is not a vague, glamorous attribute of the fortunate few but a part of each individual's character. Through this film an open, frank discussion of personality will be encouraged. Students will learn to understand themselves better and see how they can improve their own personalities. How personalities can be developed, adapted and controlled is dramatically told. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

INDIA, ASIA'S NEW VOICE (MOT)

In contrasting the life of the high-caste Brahman to that of the lowly Untouchable, throws into high relief some of the basic problems that confront the government of India. New industry, power projects, public health programs and modernization of agricultural methods are depicted. (H-C-A)

One reel (800 feet), 17 minutes
Rental, \$3.50

INFINITE UNIVERSE, THE (ALF)

Discusses the concepts of astronomical time, space, speed and size. Not only shows some of the vast galaxies and distant stars of our universe, but also tries to reduce these space-time concepts to common, everyday dimensions. (J-H-C-A)

One reel, 10 minutes
Rental, \$2.25

ITALY — PENINSULA OF CONTRASTS (EB)

Presents a comprehensive survey of the physical and economic geography of Italy together with a portrayal of the life of the people and of the rich Italian heritage in history and art. Animated maps point up key aspects of Italy's geographical pattern and help explain their influence on life and work in that country. (Color) (I-J)

One reel (800 feet), 17 minutes
Rental, \$5.00

JOHN C. CALHOUN (EB)

Tells episodes in the career of Calhoun, statesman and advocate of state's rights. Depicts events of his early political career, his part in the War of 1812, and the difficulties he encountered when serving as Vice President. Shows developments which compelled him to change from a Nationalist to a leader of Southern sectionalism. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$3.00

JOHN MARSHALL (EB)

A portrait of the founder of American Constitutional Law. Reveals predisposing experiences of his boyhood; depicts his role in the American Revolution; traces developments which drew him into politics and led to his appointment as Chief Justice of the Supreme Court. Reveals court decisions through which Marshall established the Supreme Court as the highest authority in determining the constitutionality of American legislation. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$3.00

JOHN QUINCY ADAMS (EB)

Episodes in the life of America's sixth President, and father of American Foreign Policy. Reveals Adams' skill in diplomacy by portraying his career as an American representative in Europe and as Secretary of State. Traces the steps by which Adams, in a series of diplomatic moves, laid the groundwork for the expansion of the United States across the entire continent. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$3.00

LEARN TO ARGUE EFFECTIVELY (C)

Argumentation is essential to democratic living and everyone should learn to argue purposefully and

soundly. This film clarifies the role of persuasive argument. It shows when arguments are purposeful, what subjects are good and bad and what is a basis for a profitable argument. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

LET'S BE CHILDISH (ECA)

In this film, set against backgrounds of the ice-capped French Alps, the children of all the countries teach a lesson in international cooperation. Working together to build a snow city, they win a prize more valuable to them than anything they might have gotten through individual enterprise. (J-H-C-A)

One reel (800 feet), 20 minutes
Handling charge, \$1.00

LET'S PAINT WITH WATER COLOR (C)

The main objectives of this film are to motivate interest in creative water color painting, to motivate careful use of water color equipment, and to illustrate some methods and skills of water color painting. Different ways to use water color correctly are contrasted with the bad results that come when the correct ways are not used. Children will see the benefits of organizing their work, keeping their paints and paint-trays clean, of changing paint water and taking care of their brushes. Three basic techniques for achieving different effects in the pictures painted are clearly demonstrated. (Color) (P-I)

One reel, 11 minutes
Rental, \$4.00

LIFE WITH GRANDPA (MOT)

Discusses the problems of old age including degenerative diseases and economic insecurity. Various remedies are suggested to these and the other problems including the feeling of loneliness and uselessness that so frequently comes with old age. (C-A)

One reel (800 feet), 17 minutes
Rental, \$3.50

LITERATURE APPRECIATION: STORIES (C)

This film will increase the interest of students in the appreciation and enjoyment of great literature. They will learn how to approach stories for a better understanding, how to interpret the various types of stories, and how to develop an appreciation of the fine stories which have been written. (J-H-A)

One reel (600 feet), 14 minutes
Rental, \$3.00

LITTLE FUGUE IN G-MINOR

(TFC, Restricted to Classroom Use)

Leopold Stokowski conducts the Philadelphia Symphony Orchestra in this number adapted from the Big Broadcast of 1937. (General)

One reel, 6 minutes
Rental, \$2.00

MAPS AND THEIR USES (C)

Provides an introduction to the study of the special symbols in maps, presents a variety of special purpose maps and demonstrates the different uses to which these maps and their symbols may be put. How to read a map is shown by describing a scale of distances, a grid and legend. Then uses of contour maps for understanding the various topographical formations follow to point out the importance of maps in everyday living. (J-H)

One reel, 11 minutes
Rental, \$2.00

MARSHALL PLAN AT WORK IN GREECE (ECA)

Before World War II, Greece was one of the sub-standard nations of Europe. Her people had a low standard of living, her livestock strains were poor, her soil all but exhausted. The Marshall Plan had to do more than simply restore Greece; it had to make Greece a better, more prosperous country. Thus this film is more than an account of reconstruction, of schools restored and transportation facilities made to operate once more. It is also a document of a changing Greece, a country whose people are for the first time being introduced to modern methods of agriculture. (J-H-C-A)

One reel (800 feet), 13 minutes
Handling charge, \$1.00

MELTING AND REFINING STAINLESS STEEL (USBM)

Shows operation of a 50 ton electric furnace; charging furnace, lowering electrodes, striking electric arc, controlling current, adding oxygen to burn out impurities, slagging to protect steel, taking a sample, skimming slag, adding burned lime and fluorspar, adding chromium and nickel, laboratory tests, physical testing, pouring melt into ingots. Closes with list of articles made of stainless steel. (Color) (H-C-A)

One reel (800 feet), 23 minutes
Handling charge, \$1.00

MODERN BUSINESS MACHINES (TAE)

Features machines that are rather expensive and are not to be found in the average classroom. This type of machine was selected so that students in commercial classrooms might become familiar with many of the expensive machines they are apt to encounter in business. (H-C)

One reel (800 feet), 20 minutes
Rental, \$3.50

MOUNT VERNON IN VIRGINIA (McGH)

The home of George Washington just as it was in 1783 when he returned for his supposed retirement to private life. We see the well-appointed house with the memorabilia of his long and varied career. Everyday life of the plantation with its many phases of agriculture is also shown. (H-C-A)

One reel (800 feet), 22 minutes
Rental, \$4.50

MY TRIP ABROAD (ECA)

When Mrs. Roosevelt travelled to Oslo to unveil a statue of her late husband, she made her trip the occasion to inspect post-war reconstruction throughout Europe. Visiting E. C. A. countries, she noted ways in which the Marshall Plan has been used in each to aid recovery. Mrs. Roosevelt, who narrates the film, stresses the interdependence of the nations of Europe. "The byword," she says, "is integration, and the goal is peace." (J-H-C-A)

One reel, 10 minutes
Handling charge, \$1.00

NEWS MAGAZINE OF THE SCREEN (CT)

Produced monthly by Warner-Pathe News and deposited through the courtesy of the *Chicago Tribune*, the NEWS MAGAZINE OF THE SCREEN is available for distribution by the Visual Aids Service. Circuits have been set up for prints of this new reel, and all patrons wishing a print for showing will be served in approximately 60 days after the release date of each print. Films previous to the one currently on a circuit may also be rented from the Visual Aids Service. Apply for further information.

One reel (800 feet), 22 minutes
Handling charge, \$1.00

1947 NATIONAL SINGLES TENNIS CHAMPIONSHIPS (AFS)

Shows in slow motion the final matches played on the courts of the West Side tennis club at Forest Hills. Women finalists are Louise Brough, Margaret Osborne and Doris Hart. Men finalists are Jack Kramer and Frank Parker. (J-H-C-A)

One reel, 10 minutes
Rental, \$3.00

OUR INHERITANCE FROM THE PAST (C)

How much of our modern civilization is a product of the past? In this film, the contributions of the past to our modern life are presented resulting in a better understanding and appreciation of historic advances. By studying past civilizations and their accomplishments, the fact that our modern world is actually a product of the past is made dramatically clear. (J-H-C-A)

One reel, 11 minutes
Rental, \$2.00

PALMOUR STREET — A STUDY OF FAMILY LIFE (HPI)

Events in the daily life of the Negro families living on Palmour Street in Gainesville, Georgia, are shown to illustrate certain basic concepts on mental health as they relate to family life, and some of the basic ways in which parents influence the mental and emotional development of their children. (C-A)

One reel (1200 feet), 27 minutes
Handling charge, \$1.00

PATTERN FOR SURVIVAL (COF)

Describes the effective ways in which planned defense, aimed at individuals and groups, can counteract fear and panic in a community. A reporter and a narrator tell what can be done to minimize the effects of atomic attack. (C-A)

One reel (800 feet), 20 minutes
Rental, \$6.00

PEARL HARBOR AND NORMANDIE (Castle)

With ships burning and exploding, this is an authentic movie record of the attack that led to America's entry into the war. Destruction of the liner Normandie by fire is also shown.

One reel, 11 minutes
Rental, \$2.50

PLASTICS (YA)

Describes the use of plastics in war, in the home and industry. (J-H-C-A)

One reel (800 feet), 16 minutes
Rental, \$2.25

POMPEII AND VESUVIUS (EB)

Portrays an actual eruption of Mt. Vesuvius and the ruins of the city of Pompeii. Recalls the eruption of 79 A. D. and depicts the current scene in Pompeii and environs. Shows life in present-day Naples and Sorrento as it is carried on within the very shadow of the still active and ominous Mountain. (Color) (J-H-A)

One reel, 11 minutes
Rental, \$4.00

PRINTING THROUGH THE AGES (EB)

Traces the story of printing from ancient times to the present. Shows early methods of reproducing pictures by means of wood blocks and depicts the transition from printing of pictures to printing of letters. Illustrates Gutenberg's contributions, and reveals the evolution of modern type face. Concludes with scenes of modern book and newspaper presses in operation. (I-J-A)

One reel (800 feet), 14 minutes
Rental, \$3.00

R 521 (ECA)

An impression of a trip from Milan to Rome on Italy's latest and swiftest express train. With E. C. A. funds, the country's devastated railroads and equipment are rapidly overtaking their pre-war level of excellence. An unusual musical score sustains and underscores the drive of the locomotives. (J-H-C-A)

One reel (800 feet), 12 minutes
Handling charge, \$1.00

REMEMBER THE ALAMO (EPC)

Depicts the trends and events which led to the Texas War of Independence, and which eventually brought the whole Southwest under the Stars and Stripes. (J-H)

One reel (1600 feet), 39 minutes
Rental, \$4.00

RETRIEVERS AT WORK (Kraft)

The following dogs are shown being trained and then as finished retrieving dogs—Black Labradors, Chesapeake, Golden and Irish Water Spaniels. (Color) (H-C-A)

One reel, 11 minutes
Rental, \$4.00

RHYTHM—INSTRUMENTS AND MOVEMENTS (EB)

Demonstration of rhythm activities, showing how a second-grade class learns to make its own instruments and create its own rhythms after seeing Indian dances. The instructor helps the youngsters coordinate rhythmic sound with rhythmic movement. (P)

One reel, 11 minutes
Rental, \$2.00

RICE AND BULLS (ECA)

In the district of Camargue, France, the farmers have formed a cooperative that enables them, through E. C. A. funds, to improve the yield of their rice fields. American machinery was needed to flush fresh water from the Rhone into their paddies. A neighboring cattleman looks on in distaste until he discovers that the first rich harvest, as well as helping materially all his neighbors, has been important to him also. (J-H-C-A)

One reel (800 feet), 17 minutes
Handling charge, \$1.00

RIGHT OR WRONG (Making Moral Decisions) (C)

The aim of this film is to raise for reconsideration and examination the moral standards by which each person makes his own decisions. Harry is with a gang which is breaking windows at a warehouse and is recognized by the night watchman. Even though he did not himself break any windows he is taken to police headquarters. The moral decisions which follow—of the night watchman, Harry's mother, the police sergeant, the owner of the warehouse and a social service worker—are all presented in a manner which will enable the class to better understand and evaluate the making of moral decisions. (J-H-A)

One reel, 11 minutes
Rental, \$2.00

SAFETY IN OFFICES (Castle)

Half humorous, half serious dramatization of some of the more common accidents that happen in offices—stumbling over open file drawers and telephone cords, smashing fingers in drawers, etc. While these accidents are presented humorously, the net effect is a sober realization that accidents do happen even in offices, and that carelessness causes these accidents. (H-C-A)

On reel, 10 minutes
Rental, \$2.00

SALT OF THE EARTH (Castle)

Depicts life and activities on the farm, its hardships and compensations. (H-C-A)

One reel (800 feet), 18 minutes
Rental, \$2.50

SCHOOLS MARCH ON (MOT)

The story of what happened in Woodford County, Ill., when out-moded one-room schools were eliminated by reorganization and consolidation—resulting in larger units of well-equipped and well-staffed schools. Through the efforts of local educators and interested citizens, the children of this community are being prepared to face the citizenship tasks of tomorrow. (C-A)

One reel (800 feet), 18 minutes
Rental, \$2.50

SEASHORE LIFE (EB)

Provides an experience in ecology through a portrayal of life on the three important kinds of seashores—the sandy beach, the rockpool, and the mud flat. Shows ways in which representative seashore animals are adapted to survive in their special environment and how they feed, move, and compete with other kinds of animal life with which they come in contact. (Color) (P-I)

One reel, 11 minutes
Rental, \$4.00

SEWING: FITTING A PATTERN (YA)

Shows how to adjust a dress pattern to the requirements and measurements of the individual. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

SKIP TO MY LOU (IU)

Fifth grade children form two circles and demonstrate the fundamentals of the game: skipping around the circle, choosing a partner, joining hands, and returning to place in the circle. The narrator explains each of these. (P-I)

One reel, 5 minutes
Rental, \$1.50

SOUTH PACIFIC ISLAND CHILDREN (Life in Fiji) (EB)

Portrayal of family life in Viti Levu. Shows members of the Di Vara family at their daily activities—fishing, attending school, tending their garden, and constructing a house. Illustrates the importance of the coconut palm to the islanders and depicts a “fish drive” which ends in a feast and dance along the shore. (Color) (P-I)

One reel, 11 minutes
Rental, \$4.00

SPEAKING OF RUBBER (USRC)

A retired employee tells his grandson about rubber, the people who make rubber goods, the industry, and

the nation which makes this production possible. Includes scenes of rubber plantations, synthetic rubber plants, manufacturing processes and laboratory testing. (I-J-H-C-A)

One reel (1200 feet), 27 minutes
Handling charge, \$1.00

SPEECH: PLANNING YOUR TALK (YA)

Explains how to plan and organize your talk for greater effectiveness in speaking to groups. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

SPEECH: USING YOUR VOICE (YA)

Directed at the problem of common speech faults in both formal and informal speaking, explaining how to make the most of voice in everyday life situations. Points out that most speech faults are due purely to carelessness, and then demonstrates and explains how to correct such faults. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

SQUIRREL IN TREES (IU)

Narrator explains the rules of this active game as it is played by a group. Shows how trees are formed and how the squirrel gets into the tree. Pictures the squirrels exchanging tree homes at the command "change." Two simple variations are shown: "squirrel follow squirrel" and "squirrel chase squirrel." (P-I)

One reel, 5 minutes
Rental, \$1.50

SUSAN B. ANTHONY (EB)

Retells the story of her work as she sowed the seeds that one day harvested woman suffrage. Highlights her activities in organizing the women's temperance movement, in obtaining property rights for women, in campaigning for voting privileges; in short, in having women recognized as citizens. (H-A)

One reel (800 feet), 22 minutes
Rental, \$4.00

TEACHER, THE (EB)

Tells the story of a teacher who is offered another job but who decides to remain in her chosen profession. Emphasizes the important work of a teacher in training future citizens. Describes the training teachers receive and suggests some of the satisfactions they get from their work. (I-J-H)

One reel (800 feet), 17 minutes
Rental, \$3.00

TERRIBLE TWOS AND THE TRUSTING THREES, THE (McGII)

An examination of the growing years between two and four. The two-year old's constant activity may

seem undirected but he is learning and he must have a wide range for his mind and body to grow. When discipline is necessary, it comes best in some form of detraction. But at three his orbit has expanded and he is interested in the activities of those around him. His activities become more purposeful and he is very conscious of social approval. He is interested in practicing newly-acquired skills and frequently forgets his food, he is so interested in talking. But at his age talking is so much more important. (C-A)

One reel (800 feet), 20 minutes
Rental, \$5.00

THREE DEEP (IU)

A fourth grade group forms a double circle to play this active game. Teacher chooses a runner and a chaser who demonstrate the general rules of the game. The variations *Third Man* and *Two Deep* are shown. (P-I)

One reel, 6 minutes
Rental, \$1.50

TIDES (ALF)

Photographs and animation are used to explain the regular changing of the tides. (J-H-C-A)

One reel, 10 minutes
Rental, \$2.25

TOWN WITHOUT WATER (ECA)

Southern Italy is dotted with hundreds of small, inaccessible, backward towns. For years, because of water scarcity and lack of sanitation facilities, the people of these towns have been particularly susceptible to typhoid. These communities now benefit from water projects financed by E. R. P. funds — aquaducts that bring not only water but life itself to the townspeople. (J-H-C-A)

One reel, 10 minutes
Handling charge, \$1.00

TRANSFER OF SKILLS (BIS)

Shows peacetime craftsmen being converted to wartime production. Tells of the similarity of the wartime and peacetime jobs of jeweler, watch-maker, fishing-rod manufacturer, boatman, fisherman, and an engine-turner. (H-C-A)

One reel, 11 minutes
Rental, \$2.00

TRIPLE THREAT OF BRUCELLOSIS (USDA)

Tells the story of brucellosis, a disease that each year takes a heavy toll of livestock causing huge losses to the livestock industry. As undulant fever, it takes its toll of human lives, too. Covers three phases of brucellosis as it attacks animals, and shows the nature of the disease and recommends measures of control and eradication. (C-A)

One reel (1200 feet), 27 minutes
Handling charge, \$1.00

UNITED STATES CUSTOMS SAFEGUARD OUR FOREIGN TRADE (F)

The work of the U. S. Customs Service photographed on the Canadian Border, the Mexican Border, and at the eastern and western harbors of the United States. (Color) (H-C-A)

One reel (800 feet), 16 minutes
Rental, \$4.50

VENICE — QUEEN CITY OF THE ADRIATIC (EB)

Portrays the features of this city "built on islands." Modern Venice is made understandable in terms of the city's origin, its rise to power and wealth through trade, its decline with the coming of new trade routes, and its survival as a thriving city through adaptation to new conditions. (Color) (I-J-H)

One reel, 11 minutes
Rental, \$4.00

WASTE NOT — WANT NOT (WSI)

Tells the importance of reclaimed wool in making woolen cloth. Shows how woolen rags are collected for reprocessing. Explains the terms 100% wool, reprocessed wool, and re-used wool which are found on garment labels. Explains the process of making woolen cloth from greasy wool to finished cloth. Points out advantages of clothing made from wool. (Color) (J-H-R)

One reel (800 feet), 22 minutes
Handling charge, \$1.00

WELFARE OF THE WORKER (BIS)

Shows the high standards of working conditions in England during World War II, including those standards affecting ventilation and light, food, hours, recreation, and safety. (H-A)

One reel, 8 minutes
Rental, \$2.00

WEST VIRGINIA AND ITS NATURAL RESOURCES (USBM)

West Virginia is a land of forested hills and fiery steel furnaces, scenic gorges and giant power plants, farms and busy cities, orchards and coal mines, beef cattle and gas and oil wells, parks and glass factories. Shown are scenes of underground operations in modern coal mines, other resources that make it a leading producer of chemicals, glass, metal products and hardwood lumber, its steel mills, the world's largest nickel plant, and the scenic beauty of the state. A few flashbacks tell of early exploration. (Color) (General)

One reel (1200 feet), 32 minutes
Handling charge, \$1.00

WHAT IS A FARM WORTH? (Castle)

Shows how to evaluate a farm in terms of its soil, drainage systems, pasture for livestock, extent of ero-

sion, water supply, conditions of the buildings, and its location in terms of school, stores and other community facilities. (C-A)

One reel (800 feet), 14 minutes
Handling charge, \$1.00

WHAT TIME IS IT? (C)

In this story, children learn the fun of telling time. The interesting devices by which the film portrays the story of seven-year-old Barbara Stevens hold the attention of the children while teaching them the various aspects of the importance of telling time, and of time itself. Pupils learn new words, useful in reading, storytelling and discussion. They become familiar with arithmetic and counting problems associated with telling time. And they learn how people live and work together through being able to measure and "tell time." (P-I)

One reel, 11 minutes
Rental, \$2.00

WHY PUNCTUATE (YA)

Orientation film designed to motivate and introduce (or review) the study of punctuation. Also summarizes the basic rules for use of the most important punctuation marks. (I-J-H)

One reel, 11 minutes
Rental, \$2.00

WITH THESE HANDS (ILG)

Presents the story of the International Ladies Garment Worker's Union and its effect on the lives of its members. The birth and growth of the union is told through the personal life of one cloak worker who joined the union in 1910. The story recounts the struggle of the early days to establish the union, the tragedy of the triangle fire, and the almost disastrous influence of the Communists. Emphasizes the welfare, recreational and retirement benefits offered by the union. (C-A)

One reel (1600 feet), 44 minutes
Rental, \$4.00

WORLD TRADE FOR BETTER LIVING (EB)

Illustrates how the exchange of goods and services between countries of the world is essential for a higher standard of living in every country. Describes major features of international trade; indicates conditions which have led to the growth of restrictions on trade; discusses solutions for major trade problems. (J-H-A)

One reel (800 feet), 22 minutes
Rental, \$4.00

WRITING THROUGH THE AGES (EB)

Presents a chronological history of writing as a means of communication. Shows how writing evolved

from pictures and signs and illustrates that local materials used as writing tools influenced the methods of sign writing and making. Depicts significant features of early Chinese, Mesopotamian, and Egyptian writings. Stresses contributions of Phoenicians, Greeks, and Romans. (I-J)

One reel, 11 minutes
Rental, \$2.00

YESTERDAY IS OVER YOUR SHOULDER (BIS)

Mr. Anyman, a British citizen with a job of little importance to the war effort, enrolls in an intensive training program and becomes a skilled worker. (A)

One reel, 9 minutes
Rental, \$1.50

YOUR GIANTS IN THE EARTH (PCC)

Story of the men and machines which mine coal in a modern mine. Describes the mining of coal from the time the miners enter the mine until the coal is delivered to its consumer. Shows modern safety devices in coal mining and the important use of coal in modern industry. (H-A)

One reel (800 feet), 17 minutes
Handling charge, \$1.00

ZOO'S WHO (OF)

A tour of a modern zoo — where large enclosures surrounded by moats are used instead of cages. Training lions, tigers, elephants, penguins, seals, and monkeys. (P-I-J-H)

One reel, 9 minutes
Rental, \$2.00

WITHDRAWN AIDS

Since final proof for this catalog was submitted to the printer, the following have been withdrawn from circulation:

Sound Films

Bomber, The p. 31
Eternal Fire p. 64
Lumber for Houses p. 121
Suffer Little Children p. 190

Silent Films

Advent of Anesthesia p. 227
Manufacture of Anesthetic Ether p. 247
Mirage, The p. 247

Transcriptions and Records

Censorship, Public Opinion and Morale p. 261
The Westward Advance of Democracy —
Democracy Begins at Home p. 262
Propaganda vs. Truth —
Youth Has Rights and Responsibilities p. 263
Soldiers of Hate or Defenders of Democracy —
Youth in the Home p. 263
It All Began With a Lie —
Count Five p. 264
Vocations for Youth —
Young Women Play Their Part p. 263
Youth in the Armed Forces —
Free Political Thinking p. 263

SHIPPING INSTRUCTIONS:**BILLING INSTRUCTIONS:**

Borrower's Name

Individual or Institution (If school please give district number)

Institution

Official to be addressed

Street Address

Street Address

City and State

City and State

In making substitutions please observe the following restrictions or schedule_____

In accordance with rules governing the service (in current catalog) please reserve the following films:

(Continue on reverse side)

[illegible]

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SHIPPING INSTRUCTIONS:

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In making substitutions please observe the following restrictions or schedule_____

FILM TITLE

Dates Requested

DO NOT FILL IN

(These three columns are to be filled in by V. A. S.)

1st choice

2nd choice

Shipping
date

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or dates

Reference
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SHIPPING INSTRUCTIONS:

BILLING INSTRUCTIONS:

Individual or Institution (If school please give district number)

Official to be addressed

Street Address

City and State

In making substitutions please observe the following restrictions or schedule_____

In accordance with rules governing the service (in current catalog) please reserve the following films:

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SHIPPING INSTRUCTIONS:

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Individual or Institution (If school please give district number)

Official to be addressed

Street Address

City and State

IF FILMS ARE NOT AVAILABLE FOR DATES LISTED: Substitutions may be made as to date... Yes_____ No_____; as to title... Yes_____ No_____

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SHIPPING INSTRUCTIONS:

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In making substitutions please observe the following restrictions or schedule_____

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In making substitutions please observe the following restrictions or schedule_____

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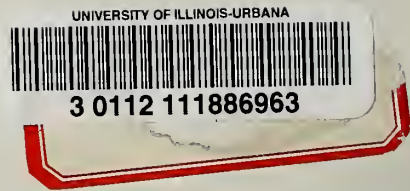
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